

# **Adaptaciones del Protocolo BGP-4 para Reducir la Congestión en Redes IP**



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Popayán, Enero 2010

# **Adaptaciones del Protocolo BGP-4 para Reducir la Congestión en Redes IP**

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## **ANEXO B RESULTADOS DE SIMULACION**

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## ANEXO B

## RESULTADOS DE SIMULACIÓN

## 1. ESCENARIO 1

## 1.1. BGP-4

La *Tabla1* muestra el tamaño en bytes de los paquetes, como el total de bytes acumulados.

**Tabla1.** Información que recibe el Servidor HTTP

Paquetes	Bytes	Bytes Totales			
1	11,083	11,083	31	57,958	3,976,695
2	3,229	14,312	32	85,804	4,062,449
3	332,547	346,859	33	32,526	4,095,025
4	34,901	381,760	34	187,363	4,282,038
5	9,138	390,898	35	221,354	4,503,742
6	7,360	398,252	36	49,254	4,552,996
7	137,513	535,771	37	78,373	4,631,369
8	42,462	578,233	38	275,582	4,906,951
9	666,388	1,244,621	39	20,651	4,927,602
10	2,713	1,247,334	40	3,445	4,931,047
11	4,938	1,252,272	41	30,841	4,961,888
12	8,925	1,261,197	42	3,045	4,964,933
13	295,255	1,556,452	43	60,854	5,025,787
14	15,182	1,571,634	44	5,292	5,031,079
15	185,182	1,756,816	45	2,134,392	7,165,471
16	26,838	1,783,654	46	204,909	7,370,380
17	36,894	1,820,548	47	394,361	7,764,741
18	145,762	1,966,310	48	39,661	7,804,402
19	206,518	2,172,828	49	69,620	7,874,022
20	95,428	2,268,256	50	88,251	7,962,273
21	395,033	2,663,289	51	73,667	8,035,940
22	88,926	2,672,181	52	6,889	8,042,829
23	23,392	2,695,573	53	96,062	8,138,891
24	2,369	2,697,942	54	4,938	8,143,829
25	3,071	2,701,013	55	229,670	8,373,499
26	83,791	2,784,804	56	21,543	8,395,042
27	185,034	2,969,838	57	214,176	8,609,218
28	28,005	2,997,843	58	74,123	8,683,341
29	133,798	3,131,641	59	59,898	8,743,239
30	787,096	3,918,737	60	3,266	8,746,505
			61	76,468	8,822,973

La *Tabla 2*, indica la cantidad de paquetes y bytes recibidos como perdidos que se presentaron en diversas ejecuciones, considerando que tienen el mismo tiempo de simulación.

**Tabla 2.** Relación de Paquetes y Bytes Recibidos como Perdidos. Escenario 1. BGP-4

P. Recibidos	P. Perdidos	Tasa de Perdida	Bytes Recibidos	B. Perdidos	Tasa de Perdida
<b>61</b>	0	0	8,822,973	0	0
<b>8</b>	53	0.868852	578,233	8,244,740	0.934462
<b>4</b>	57	0.934426	256,449	8,566,524	0.970933

```

-----
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|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/25      0x00000000
0            0.0.0.32/29      0x00000020   5
0/0          0.0.0.32/30      0x00000020
1            0.0.0.24/29      0x00000018   1
1/0          0.0.0.24/30      0x00000018
2            0.0.0.16/29      0x00000010   4
2/0          0.0.0.16/30      0x00000010
3            0.0.0.8/29       0x00000008   3
3/0          0.0.0.8/30       0x00000008
4            0.0.0.0/29       0x00000000   2
4/0          0.0.0.0/30       0x00000000
5            0.0.0.76/30      0x0000004c   5:1 (1) 4:1 (2)
6            0.0.0.72/30      0x00000048   5:1 (2) 1:1 (2)
7            0.0.0.68/30      0x00000044   5:1 (3) 2:1 (2)
8            0.0.0.64/30      0x00000040   5:1 (4) 3:1 (2)
9            0.0.0.60/30      0x0000003c   1:1 (1) 4:1 (1)
10           0.0.0.56/30      0x00000038   1:1 (3) 2:1 (3)
11           0.0.0.52/30      0x00000034   2:1 (1) 3:1 (3)
12           0.0.0.48/30      0x00000030   3:1 (1) 4:1 (3)
13           0.0.0.44/30      0x0000002c   1:1 (4) 1:2 (0)
14           0.0.0.40/30      0x00000028   2:1 (4) 2:2 (0)

NHI Addr          CIDR Level          IP Address Block          % util
--           --
1            1            0.0.0.0/25            64.0625
2            4            0.0.0.24/29           75.0
3            3            0.0.0.0/29            75.0
4            2            0.0.0.8/29            75.0
5            0            0.0.0.16/29           75.0

```

\*\* Using specified 1.0ns clock resolution

```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.218 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

93.663275782 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 33.246602061 SUCCESS
103.383367213 [ sid 1 start 103.374386921 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.008980292 SUCCESS
288.001042913 [ sid 2 start 110.667457871 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 177.333585042 SUCCESS
376.623090644 [ sid 3 start 330.098051406 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 46.525039238 SUCCESS
397.646332867 [ sid 4 start 397.632125381 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.014207486 SUCCESS
674.394859193 [ sid 5 start 674.38203873 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.012820463 SUCCESS
1453.487522228 [ sid 6 start 762.415628847 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 691.071893381 SUCCESS
1746.60041013 [ sid 7 start 1502.708661089 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 243.891749041 SUCCESS
3150.481346518 [ sid 8 start 1781.088111012 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1369.393235506 SUCCESS
3177.97044006 [ sid 9 start 3177.961853445 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.008586615 SUCCESS
3246.361523251 [ sid 10 start 3214.893829949 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 31.467693302 SUCCESS
3307.515137934 [ sid 11 start 3306.857276023 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 0.657861911 SUCCESS
3822.628238058 [ sid 12 start 3464.442890671 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 358.185347387 SUCCESS
4355.856560838 [ sid 13 start 3837.053742418 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 518.80281842 SUCCESS
4972.74363615 [ sid 14 start 4357.074225299 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 615.669410851 SUCCESS
5041.906447585 [ sid 15 start 5006.547363956 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 35.359083629 SUCCESS
5830.235782099 [ sid 16 start 5677.400129295 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 152.835652804 SUCCESS
5967.374953582 [ sid 17 start 5848.366438284 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 119.008515298 SUCCESS
6480.331797369 [ sid 18 start 6025.765255773 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 454.566541596 SUCCESS
6638.447761895 [ sid 19 start 6511.919254535 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 126.52850736 SUCCESS
7190.992671277 [ sid 20 start 6679.231663545 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 511.761007732 SUCCESS
7470.819702181 [ sid 21 start 7467.412050265 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 3.407651916 SUCCESS
7830.385488129 [ sid 22 start 7695.151492399 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 135.23399573 SUCCESS
```

7914.467287249 [ sid 23 start 7914.458963085 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.008324164 SUCCESS  
8062.788742266 [ sid 24 start 8062.779882519 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.008859747 SUCCESS  
8199.063396881 [ sid 25 start 8159.705712991 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 39.35768389 SUCCESS  
9060.236970369 [ sid 26 start 8449.147014752 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 611.089955617 SUCCESS  
9330.140944931 [ sid 27 start 9108.090632425 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 222.050312506 SUCCESS  
9879.173610105 [ sid 28 start 9383.070439633 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 496.103170472 SUCCESS  
11016.061387351 [ sid 29 start 9979.046041837 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1037.015345514 SUCCESS  
11164.203984554 [ sid 30 start 11048.87367433 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 115.330310224 SUCCESS  
11318.534319001 [ sid 31 start 11179.181732937 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 139.352586064 SUCCESS  
11542.294097374 [ sid 32 start 11344.948112157 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 197.345985217 SUCCESS  
11982.865334323 [ sid 33 start 11552.976731277 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 429.888603046 SUCCESS  
12438.734396449 [ sid 34 start 12006.608150622 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 432.126245827 SUCCESS  
12612.48211922 [ sid 35 start 12609.315929316 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 3.166189904 SUCCESS  
12852.700941886 [ sid 36 start 12710.979931821 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 141.721010065 SUCCESS  
13051.57572927 [ sid 37 start 12886.927253588 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 164.648475682 SUCCESS  
13198.933050524 [ sid 38 start 13198.111437414 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 0.82161311 SUCCESS  
13199.680959409 [ sid 39 start 13199.671814322 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3445B seconds: 0.009145087 SUCCESS  
13291.459762896 [ sid 40 start 13249.77630798 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 41.683454916 SUCCESS  
13341.71071122 [ sid 41 start 13341.701871309 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 0.008839911 SUCCESS  
13381.795166675 [ sid 42 start 13378.395964359 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 3.399202316 SUCCESS  
13401.43052102 [ sid 43 start 13401.224992689 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 0.205528331 SUCCESS  
14236.150936101 [ sid 44 start 13498.307648849 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 737.843287252 SUCCESS  
14489.568341609 [ sid 45 start 14329.571609161 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 159.996732448 SUCCESS  
14970.713036538 [ sid 46 start 14667.152141396 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 303.560895142 SUCCESS  
15193.704427969 [ sid 47 start 15192.271991539 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 1.43243643 SUCCESS  
15928.56064198 [ sid 48 start 15266.957047202 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 661.603594778 SUCCESS  
16350.171161178 [ sid 49 start 16062.96789228 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 287.203268898 SUCCESS  
16815.728576294 [ sid 50 start 16649.205585164 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 11 total: 73667B seconds: 166.52299113 SUCCESS

```

16936.739852088 [ sid 51 start 16936.541612343 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 0.198239745 SUCCESS
17036.022382984 [ sid 52 start 17031.204378902 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 4.818004082 SUCCESS
17082.70475858 [ sid 53 start 17082.479597628 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 4938B seconds: 0.225160952 SUCCESS
17586.608139613 [ sid 54 start 17117.550651924 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 469.057487689 SUCCESS
17588.353685083 [ sid 55 start 17587.791848262 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 0.561836821 SUCCESS
18923.24656134 [ sid 56 start 17614.348159895 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1308.898401445 SUCCESS
19264.278533663 [ sid 57 start 18958.125319864 ] clnt 1:2 srv 2:2(0) #pages:
7 #objects: 9 total: 74123B seconds: 306.153213799 SUCCESS
19462.38869611 [ sid 58 start 19321.242524586 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 9 total: 59898B seconds: 141.146171524 SUCCESS
19483.066070624 [ sid 59 start 19483.057062104 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3266B seconds: 0.00900852 SUCCESS
19908.433173769 [ sid 60 start 19594.649106356 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 76468B seconds: 313.784067413 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 344552 events, 2063 ms, 172 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)          -      -      - 2
~# 5:1    | *> 3                3:1(2)          -      -      - 3
~# 5:1    | *> 4                4:1(2)          -      -      - 4
~# 5:1    | *> 1                1:1(2)          -      -      - 1
~# 5:1    | *> 5                self            -      -      - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                2:1(3)          -      -      - 2
~# 1:1    | *> 3                2:1(3)          -      -      - 2 3
~# 1:1    | *> 4                4:1(1)          -      -      - 4
~# 1:1    | *> 1                self            -      -      - i
~# 1:1    | *> 5                5:1(2)          -      -      - 5
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                3:1(1)          -      -      - 3 2
~# 4:1    | *> 3                3:1(1)          -      -      - 3
~# 4:1    | *> 4                self            -      -      - i
~# 4:1    | *> 1                1:1(1)          -      -      - 1
~# 4:1    | *> 5                5:1(1)          -      -      - 5

```



```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)          -      -      - 2
~# 3:1  | *> 3                self             -      -      - i
~# 3:1  | *> 4                4:1 (3)          -      -      - 4
~# 3:1  | *> 1                2:1 (1)          -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)          -      -      - 5

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self             -      -      - i
~# 2:1  | *> 3                3:1 (3)          -      -      - 3
~# 2:1  | *> 4                3:1 (3)          -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)          -      -      - 1
~# 2:1  | *> 5                5:1 (3)          -      -      - 5

```

```

-----
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|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)

```

NHI Addr          CIDR Level      IP Address Block  % util
--              --              --              --
1                1                0.0.0.0/25        64.0625
2                4                0.0.0.0/29        75.0
3                3                0.0.0.0/29        75.0
4                2                0.0.0.16/29       75.0
5                0                0.0.0.32/29       75.0

**              Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

579.260652741 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 518.84397902 SUCCESS
771.080144172 [ sid 1 start 588.97176388 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 182.108380292 SUCCESS
2776.531910124 [ sid 2 start 778.36423483 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 1998.167675294 SUCCESS
4382.648503755 [ sid 3 start 2818.628918617 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 1564.019585138 SUCCESS
4646.470945978 [ sid 4 start 4403.657538492 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 242.813407486 SUCCESS
5166.018672304 [ sid 5 start 4923.206651841 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 242.812020463 SUCCESS
12622.087367112 [ sid 6 start 5254.039441958 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 7368.047925154 SUCCESS
14796.893124097 [ sid 7 start 12671.308505973 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 2125.584618124 SUCCESS

-----
| 1 timelines, 5 barriers, 332978 events, 1563 ms, 221 Kevt/s
-----

.....
..... bgp@5:1 wrap-up .....
.....

~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i

.....
..... bgp@1:1 wrap-up .....
.....

~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 2:1(3) - - - 2

```

```

~# 1:1 | *> 3                2:1 (3)                -      -      - 2 3
~# 1:1 | *> 4                4:1 (1)                -      -      - 4
~# 1:1 | *> 1                self                    -      -      - i
~# 1:1 | *> 5                5:1 (2)                -      -      - 5

.....
.....      bgp@4:1 wrap-up      .....
.....

~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2                3:1 (1)                -      -      - 3 2
~# 4:1 | *> 3                3:1 (1)                -      -      - 3
~# 4:1 | *> 4                self                    -      -      - i
~# 4:1 | *> 1                1:1 (1)                -      -      - 1
~# 4:1 | *> 5                5:1 (1)                -      -      - 5

.....
.....      bgp@3:1 wrap-up      .....
.....

~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2                2:1 (1)                -      -      - 2
~# 3:1 | *> 3                self                    -      -      - i
~# 3:1 | *> 4                4:1 (3)                -      -      - 4
~# 3:1 | *> 1                2:1 (1)                -      -      - 2 1
~# 3:1 | *> 5                5:1 (4)                -      -      - 5

.....
.....      bgp@2:1 wrap-up      .....
.....

~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self                    -      -      - i
~# 2:1 | *> 3                3:1 (3)                -      -      - 3
~# 2:1 | *> 4                3:1 (3)                -      -      - 3 4
~# 2:1 | *> 1                1:1 (3)                -      -      - 1
~# 2:1 | *> 5                5:1 (3)                -      -      - 5

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

CIDR      IP Block      b16      NHI
--      0.0.0.0/25      0x00000000
0      0.0.0.32/29      0x00000020      5
0/0      0.0.0.32/30      0x00000020
1      0.0.0.24/29      0x00000018      1
1/0      0.0.0.24/30      0x00000018

```

2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

```

**          Using specified 1.0ns clock resolution
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
659.265416008 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 598.848742287 SUCCESS
881.084907439 [ sid 1 start 668.976527147 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 212.108380292 SUCCESS
2229.772869993 [ sid 2 start 888.368998097 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 0 total: 0B seconds: 1341.403871896 #errors: 1 FAILURE
13433.677200806 [ sid 2 start 2271.869878486 ] clnt 1:2 srv 2:2(0) #pages: 20
#objects: 40 total: 206333B seconds: 11161.80732232 SUCCESS
15437.594968558 [ sid 3 start 13497.877505103 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 6 total: 35804B seconds: 1939.717463455 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 330920 events, 1531 ms, 227 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)                -      -      - 2
~# 5:1    | *> 3                3:1(2)                -      -      - 3
~# 5:1    | *> 4                4:1(2)                -      -      - 4
~# 5:1    | *> 1                1:1(2)                -      -      - 1
~# 5:1    | *> 5                self                   -      -      - i
.....

```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                2:1 (3)         -      -      - 2
~# 1:1 | *> 3                2:1 (3)         -      -      - 2 3
~# 1:1 | *> 4                4:1 (1)         -      -      - 4
~# 1:1 | *> 1                self            -      -      - i
~# 1:1 | *> 5                5:1 (2)         -      -      - 5
.....
..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2                3:1 (1)         -      -      - 3 2
~# 4:1 | *> 3                3:1 (1)         -      -      - 3
~# 4:1 | *> 4                self            -      -      - i
~# 4:1 | *> 1                1:1 (1)         -      -      - 1
~# 4:1 | *> 5                5:1 (1)         -      -      - 5
.....
..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2                2:1 (1)         -      -      - 2
~# 3:1 | *> 3                self            -      -      - i
~# 3:1 | *> 4                4:1 (3)         -      -      - 4
~# 3:1 | *> 1                2:1 (1)         -      -      - 2 1
~# 3:1 | *> 5                5:1 (4)         -      -      - 5
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -      - i
~# 2:1 | *> 3                3:1 (3)         -      -      - 3
~# 2:1 | *> 4                3:1 (3)         -      -      - 3 4
~# 2:1 | *> 1                1:1 (3)         -      -      - 1
~# 2:1 | *> 5                5:1 (3)         -      -      - 5

```

## 1.2. BGP-C2 EN T1

**Tabla 3.** Paquetes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 1. BGP-C2 en t1

P.Recibidos	P. Perdidos	Tasa de Perdida
60	0	0
59	1	0.016666667
57	3	0.05
54	6	0.1
47	13	0.216666667
44	16	0.266666667
29	31	0.516666667

**Tabla 4. Bytes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 1. BGP-C2 en t1**

B. Recibidos	B. Perdidos	Tasa de Perdida
8,746,505	0	0
8,743,239	3,266	0.000373406
8,609,218	137,287	0.015696212
8,143,829	602,676	0.06890478
7,764,741	981,764	0.112246434
5,031,079	3,715,426	0.424789787
3,131,641	5,614,864	0.641955158

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/25      0x00000000
0            0.0.0.32/29     0x00000020   5
0/0         0.0.0.32/30     0x00000020
1           0.0.0.24/29     0x00000018   1
1/0        0.0.0.24/30     0x00000018
2           0.0.0.16/29     0x00000010   4
2/0        0.0.0.16/30     0x00000010
3           0.0.0.8/29      0x00000008   3
3/0        0.0.0.8/30      0x00000008
4           0.0.0.0/29      0x00000000   2
4/0        0.0.0.0/30      0x00000000
5           0.0.0.76/30     0x0000004c   5:1(1) 4:1(2)
6           0.0.0.72/30     0x00000048   5:1(2) 1:1(2)
7           0.0.0.68/30     0x00000044   5:1(3) 2:1(2)
8           0.0.0.64/30     0x00000040   5:1(4) 3:1(2)
9           0.0.0.60/30     0x0000003c   1:1(1) 4:1(1)
10          0.0.0.56/30     0x00000038   1:1(3) 2:1(3)
11          0.0.0.52/30     0x00000034   2:1(1) 3:1(3)
12          0.0.0.48/30     0x00000030   3:1(1) 4:1(3)
13          0.0.0.44/30     0x0000002c   1:1(4) 1:2(0)
14          0.0.0.40/30     0x00000028   2:1(4) 2:2(0)

NHI Addr          CIDR Level          IP Address Block          % util
--              --
1                1                0.0.0.0/25                64.0625
2                4                0.0.0.24/29               75.0
3                3                0.0.0.0/29                75.0
4                2                0.0.0.8/29                75.0
5                0                0.0.0.16/29               75.0

```

```
**          Using specified 1.0ns clock resolution
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

94.390402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 33.973728733 SUCCESS
104.383728746 [ sid 1 start 104.101513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.282215153 SUCCESS
290.562275757 [ sid 2 start 111.667819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 178.894456353 SUCCESS
381.369242896 [ sid 3 start 332.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 48.709958646 SUCCESS
402.757306893 [ sid 4 start 402.378277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.37902926 SUCCESS
679.870654993 [ sid 5 start 679.493012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.377642237 SUCCESS
1468.796774993 [ sid 6 start 767.891424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 700.905350346 SUCCESS
1764.639285093 [ sid 7 start 1518.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 246.621371239 SUCCESS
3191.109669387 [ sid 8 start 1799.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1391.982683412 SUCCESS
3218.87199779 [ sid 9 start 3218.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.281821476 SUCCESS
3287.809550703 [ sid 10 start 3255.795387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 32.014163024 SUCCESS
3349.600612929 [ sid 11 start 3348.305303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 1.295309454 SUCCESS
3871.455633327 [ sid 12 start 3506.528365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 364.927267661 SUCCESS
4405.775349865 [ sid 13 start 3885.881137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 519.894212178 SUCCESS
5030.18994931 [ sid 14 start 4406.993014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 623.196934984 SUCCESS
5100.988672677 [ sid 15 start 5063.993677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 36.994995561 SUCCESS
5892.324281884 [ sid 16 start 5736.482354387 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 155.841927497 SUCCESS
6038.021350446 [ sid 17 start 5910.454938069 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 127.566412377 SUCCESS
6555.309276883 [ sid 18 start 6096.411652637 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 458.897624246 SUCCESS
6716.21768903 [ sid 19 start 6586.896734049 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 129.320954981 SUCCESS
7278.426510349 [ sid 20 start 6757.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 521.424919669 SUCCESS
7561.609886108 [ sid 21 start 7554.845889337 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 6.763996771 SUCCESS
7923.085456983 [ sid 22 start 7785.941676326 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 137.143780657 SUCCESS
```

8007.440490964 [ sid 23 start 8007.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.281559025 SUCCESS  
8156.035180842 [ sid 24 start 8155.753086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.282094608 SUCCESS  
8295.586734829 [ sid 25 start 8252.952151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 42.634583262 SUCCESS  
9166.58546551 [ sid 26 start 8545.6703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 620.91511281 SUCCESS  
9438.493261255 [ sid 27 start 9214.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 224.054133689 SUCCESS  
9993.884296925 [ sid 28 start 9491.422755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 502.461540968 SUCCESS  
11144.170426574 [ sid 29 start 10093.756728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1050.413697917 SUCCESS  
11295.034291831 [ sid 30 start 11176.982713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 118.051578278 SUCCESS  
11451.269125761 [ sid 31 start 11310.012040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 141.257085547 SUCCESS  
11678.12472351 [ sid 32 start 11477.682918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 200.441804593 SUCCESS  
12126.596364622 [ sid 33 start 11688.807357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 437.789007209 SUCCESS  
12592.646076648 [ sid 34 start 12150.339180921 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 442.306895727 SUCCESS  
12769.580428304 [ sid 35 start 12763.227609515 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 6.352818789 SUCCESS  
13012.793599257 [ sid 36 start 12868.078240905 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 144.715358352 SUCCESS  
13226.867974198 [ sid 37 start 13047.019910959 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 179.848063239 SUCCESS  
13374.952453642 [ sid 38 start 13373.403682342 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 1.5487713 SUCCESS  
13375.973597388 [ sid 39 start 13375.69121744 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.282379948 SUCCESS  
13469.1176157 [ sid 40 start 13426.068945959 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 43.048669741 SUCCESS  
13519.641798885 [ sid 41 start 13519.359724113 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.282074772 SUCCESS  
13561.635514381 [ sid 42 start 13556.327052024 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 5.308462357 SUCCESS  
13581.817338448 [ sid 43 start 13581.065340395 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 0.751998053 SUCCESS  
14452.351996832 [ sid 44 start 13678.694466277 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 773.657530555 SUCCESS  
14709.336623848 [ sid 45 start 14545.772669892 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 163.563953956 SUCCESS  
15197.933594598 [ sid 46 start 14886.920423635 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 311.013170963 SUCCESS  
15423.200653605 [ sid 47 start 15419.492549599 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 3.708104006 SUCCESS  
16162.152495795 [ sid 48 start 15496.453272838 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 665.699222957 SUCCESS  
16588.675207571 [ sid 49 start 16296.559746095 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 292.115461476 SUCCESS  
17057.874249459 [ sid 50 start 16887.709631557 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 11 total: 73667B seconds: 170.164617902 SUCCESS



```

17179.5211164 [ sid 51 start 17178.687285508 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 0.833830892 SUCCESS
17283.074714135 [ sid 52 start 17273.985643214 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 9.089070921 SUCCESS
17330.303559453 [ sid 53 start 17329.531928779 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 0.771630674 SUCCESS
17846.287652335 [ sid 54 start 17365.149452797 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 481.138199538 SUCCESS
17849.123106185 [ sid 55 start 17847.471360984 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 1.651745201 SUCCESS
19194.644459893 [ sid 56 start 17875.117580997 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1319.526878896 SUCCESS
19538.76902003 [ sid 57 start 19229.523218417 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 74123B seconds: 309.245801613 SUCCESS
19739.973022467 [ sid 58 start 19595.733010953 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 9 total: 59898B seconds: 144.240011514 SUCCESS
19760.923631842 [ sid 59 start 19760.641388461 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3266B seconds: 0.282243381 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362446 events, 1937 ms, 194 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1  | *> 2                2:1(2)                -      -      - 2
~# 5:1  | *> 3                3:1(2)                -      -      - 3
~# 5:1  | *> 4                4:1(2)                -      -      - 4
~# 5:1  | *> 1                1:1(2)                -      -      - 1
~# 5:1  | *> 5                self                   -      -      - i
.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                2:1(3)                -      100     - 2
~# 1:1  | *> 3                2:1(3)                -      100     - 2 3
~# 1:1  | *> 4                2:1(3)                -      100     - 2 3 4
~# 1:1  | *> 1                self                   -      -      - i
~# 1:1  | *> 5                2:1(3)                -      100     - 2 5
.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)                -      100     - 3 2
~# 4:1  | *> 3                3:1(1)                -      100     - 3
~# 4:1  | *> 4                self                   -      -      - i
~# 4:1  | *> 1                3:1(1)                -      100     - 3 2 1
~# 4:1  | *> 5                3:1(1)                -      100     - 3 5

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)         -      -      - 2
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 4                4:1 (3)         -      -      - 4
~# 3:1  | *> 1                2:1 (1)         -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)         -      -      - 5

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 3                3:1 (3)         -      -      - 3
~# 2:1  | *> 4                3:1 (3)         -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)         -      -      - 1
~# 2:1  | *> 5                5:1 (3)         -      -      - 5

```

```

-----
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|
|      Licensed to: "Renesys Support" (support@renesys.com)
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)

```

14          0.0.0.40/30          0x00000028      2:1(4) 2:2(0)

NHI Addr          CIDR Level          IP Address Block      % util
--              --              --              --
1              1              0.0.0.0/25          64.0625
2              4              0.0.0.24/29        75.0
3              3              0.0.0.0/29         75.0
4              2              0.0.0.16/29        75.0
5              0              0.0.0.32/29        75.0

**              Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

95.030402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 34.613728733 SUCCESS
105.263728746 [ sid 1 start 104.741513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.522215153 SUCCESS
292.962275757 [ sid 2 start 112.547819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 180.414456353 SUCCESS
385.689242896 [ sid 3 start 335.05928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 50.629958646 SUCCESS
407.397306893 [ sid 4 start 406.698277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.69902926 SUCCESS
684.830654993 [ sid 5 start 684.133012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.697642237 SUCCESS
1482.396774993 [ sid 6 start 772.851424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 709.545350346 SUCCESS
1780.639285093 [ sid 7 start 1531.617913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 249.021371239 SUCCESS
3227.109669387 [ sid 8 start 1815.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1411.982683412 SUCCESS
3255.11199779 [ sid 9 start 3254.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.521821476 SUCCESS
3324.529550703 [ sid 10 start 3292.035387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 32.494163024 SUCCESS
3386.880612929 [ sid 11 start 3385.025303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 1.855309454 SUCCESS
3914.735633327 [ sid 12 start 3543.808365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 370.927267661 SUCCESS
4450.015349865 [ sid 13 start 3929.161137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 520.854212178 SUCCESS
5081.06994931 [ sid 14 start 4451.233014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 629.836934984 SUCCESS
5153.308672677 [ sid 15 start 5114.873677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 38.434995561 SUCCESS
5947.284281884 [ sid 16 start 5788.802354387 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 158.481927497 SUCCESS

```

6100.501350446 [ sid 17 start 5965.414938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 135.086412377 SUCCESS  
6621.629276883 [ sid 18 start 6158.891652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 462.737624246 SUCCESS  
6785.01768903 [ sid 19 start 6653.216734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 131.800954981 SUCCESS  
7355.786510349 [ sid 20 start 6825.80159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 529.984919669 SUCCESS  
7641.929886108 [ sid 21 start 7632.205889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 9.723996771 SUCCESS  
8005.085456983 [ sid 22 start 7866.261676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 138.823780657 SUCCESS  
8089.680490964 [ sid 23 start 8089.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.521559025 SUCCESS  
8238.515180842 [ sid 24 start 8237.993086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.522094608 SUCCESS  
8380.946734829 [ sid 25 start 8335.432151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 45.514583262 SUCCESS  
9260.58546551 [ sid 26 start 8631.0303527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 629.55511281 SUCCESS  
9534.253261255 [ sid 27 start 9308.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 225.814133689 SUCCESS  
10095.244296925 [ sid 28 start 9587.182755957 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 508.061540968 SUCCESS  
11257.610426574 [ sid 29 start 10195.116728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1062.493697917 SUCCESS  
11410.874291831 [ sid 30 start 11290.422713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 120.451578278 SUCCESS  
11568.789125761 [ sid 31 start 11425.852040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 142.937085547 SUCCESS  
11798.36472351 [ sid 32 start 11595.202918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 203.161804593 SUCCESS  
12253.796340482 [ sid 33 start 11809.047357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 444.748983069 SUCCESS  
12728.806052508 [ sid 34 start 12277.539156781 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 451.266895727 SUCCESS  
12908.540404164 [ sid 35 start 12899.387585375 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 9.152818789 SUCCESS  
13154.393575117 [ sid 36 start 13007.038216765 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 147.355358352 SUCCESS  
13381.827950058 [ sid 37 start 13188.619886819 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 193.208063239 SUCCESS  
13530.552429502 [ sid 38 start 13528.363658202 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 2.1887713 SUCCESS  
13531.813573248 [ sid 39 start 13531.2911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.522379948 SUCCESS  
13626.15759156 [ sid 40 start 13581.908921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 44.248669741 SUCCESS  
13676.921774745 [ sid 41 start 13676.399699973 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.522074772 SUCCESS  
13720.595490241 [ sid 42 start 13713.607027884 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 6.988462357 SUCCESS  
13741.257314308 [ sid 43 start 13740.025316255 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 1.231998053 SUCCESS  
14644.191972692 [ sid 44 start 13838.134442137 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 806.057530555 SUCCESS

```

14904.376599708 [ sid 45 start 14737.612645752 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 166.763953956 SUCCESS
15399.613570458 [ sid 46 start 15081.960399495 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 317.653170963 SUCCESS
15626.880629465 [ sid 47 start 15621.172525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 5.708104006 SUCCESS
16369.432471655 [ sid 48 start 15700.133248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 669.299222957 SUCCESS
16800.275183431 [ sid 49 start 16503.839721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 296.435461476 SUCCESS
17272.674225319 [ sid 50 start 17099.309607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 173.364617902 SUCCESS
17394.88109226 [ sid 51 start 17393.487261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 1.393830892 SUCCESS
17502.194689995 [ sid 52 start 17489.345619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 12.849070921 SUCCESS
17549.903535313 [ sid 53 start 17548.651904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.251630674 SUCCESS
18076.527628195 [ sid 54 start 17584.749428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 491.778199538 SUCCESS
18080.323082045 [ sid 55 start 18077.711336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 2.611745201 SUCCESS
19435.204435753 [ sid 56 start 18106.317556857 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1328.886878896 SUCCESS
19782.04899589 [ sid 57 start 19470.083194277 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 74123B seconds: 311.965801613 SUCCESS
19985.972998327 [ sid 58 start 19839.012986813 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 9 total: 59898B seconds: 146.960011514 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 362530 events, 1953 ms, 193 Kevt/s
-----

```

```

.....
..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i

.....
..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 2:1(3) - 100 - 2
~# 1:1 | *> 3 2:1(3) - 100 - 2 3
~# 1:1 | *> 4 2:1(3) - 100 - 2 3 4
~# 1:1 | *> 1 self - - - i
~# 1:1 | *> 5 2:1(3) - 100 - 2 5
.....

```

```

..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2                3:1(1)          -      100   - 3 2
~# 4:1 | *> 3                3:1(1)          -      100   - 3
~# 4:1 | *> 4                self            -      -     - i
~# 4:1 | *> 1                3:1(1)          -      100   - 3 2 1
~# 4:1 | *> 5                3:1(1)          -      100   - 3 5

..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2                2:1(1)          -      -     - 2
~# 3:1 | *> 3                self            -      -     - i
~# 3:1 | *> 4                4:1(3)          -      -     - 4
~# 3:1 | *> 1                2:1(1)          -      -     - 2 1
~# 3:1 | *> 5                5:1(4)          -      -     - 5

..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -     - i
~# 2:1 | *> 3                3:1(3)          -      -     - 3
~# 2:1 | *> 4                3:1(3)          -      -     - 3 4
~# 2:1 | *> 1                1:1(3)          -      -     - 1
~# 2:1 | *> 5                5:1(3)          -      -     - 5

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	

```

5          0.0.0.76/30          0x0000004c          5:1(1) 4:1(2)
6          0.0.0.72/30          0x00000048          5:1(2) 1:1(2)
7          0.0.0.68/30          0x00000044          5:1(3) 2:1(2)
8          0.0.0.64/30          0x00000040          5:1(4) 3:1(2)
9          0.0.0.60/30          0x0000003c          1:1(1) 4:1(1)
10         0.0.0.56/30          0x00000038          1:1(3) 2:1(3)
11         0.0.0.52/30          0x00000034          2:1(1) 3:1(3)
12         0.0.0.48/30          0x00000030          3:1(1) 4:1(3)
13         0.0.0.44/30          0x0000002c          1:1(4) 1:2(0)
14         0.0.0.40/30          0x00000028          2:1(4) 2:2(0)

```

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

95.990402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 35.573728733 SUCCESS
106.583728746 [ sid 1 start 105.701513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.882215153 SUCCESS
296.562275757 [ sid 2 start 113.867819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 182.694456353 SUCCESS
392.169242896 [ sid 3 start 338.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 53.509958646 SUCCESS
414.357306893 [ sid 4 start 413.178277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.17902926 SUCCESS
692.270654993 [ sid 5 start 691.093012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.177642237 SUCCESS
1502.796774993 [ sid 6 start 780.291424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 722.505350346 SUCCESS
1804.639285093 [ sid 7 start 1552.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 252.621371239 SUCCESS
3281.109669387 [ sid 8 start 1839.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1441.982683412 SUCCESS
3309.47199779 [ sid 9 start 3308.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.881821476 SUCCESS
3379.609550703 [ sid 10 start 3346.395387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 33.214163024 SUCCESS
3442.800612929 [ sid 11 start 3440.105303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 2.695309454 SUCCESS
3979.655633327 [ sid 12 start 3599.728365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 379.927267661 SUCCESS

```

4516.375349865 [ sid 13 start 3994.081137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 522.294212178 SUCCESS  
5157.38994931 [ sid 14 start 4517.593014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 639.796934984 SUCCESS  
5231.788672677 [ sid 15 start 5191.193677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 40.594995561 SUCCESS  
6029.724281884 [ sid 16 start 5867.282354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 162.441927497 SUCCESS  
6194.221350446 [ sid 17 start 6047.854938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 146.366412377 SUCCESS  
6721.109276883 [ sid 18 start 6252.611652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 468.497624246 SUCCESS  
6888.21768903 [ sid 19 start 6752.696734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 135.520954981 SUCCESS  
7471.826510349 [ sid 20 start 6929.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 542.824919669 SUCCESS  
7762.409886108 [ sid 21 start 7748.245889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 14.163996771 SUCCESS  
8128.085456983 [ sid 22 start 7986.741676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 141.343780657 SUCCESS  
8213.040490964 [ sid 23 start 8212.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.881559025 SUCCESS  
8362.235180842 [ sid 24 start 8361.353086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.882094608 SUCCESS  
8508.986734829 [ sid 25 start 8459.152151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 49.834583262 SUCCESS  
9401.58546551 [ sid 26 start 8759.0703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 642.51511281 SUCCESS  
9677.893261255 [ sid 27 start 9449.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 228.454133689 SUCCESS  
10247.284296925 [ sid 28 start 9730.822755957 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 516.461540968 SUCCESS  
11427.770426574 [ sid 29 start 10347.156728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1080.613697917 SUCCESS  
11584.634291831 [ sid 30 start 11460.582713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 124.051578278 SUCCESS  
11745.069125761 [ sid 31 start 11599.612040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 145.457085547 SUCCESS  
11978.72472351 [ sid 32 start 11771.482918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 207.241804593 SUCCESS  
12444.596340482 [ sid 33 start 11989.407357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 455.188983069 SUCCESS  
12933.046052508 [ sid 34 start 12468.339156781 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 464.706895727 SUCCESS  
13116.980404164 [ sid 35 start 13103.627585375 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 13.352818789 SUCCESS  
13366.793575117 [ sid 36 start 13215.478216765 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 151.315358352 SUCCESS  
13614.267950058 [ sid 37 start 13401.019886819 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 213.248063239 SUCCESS  
13763.952429502 [ sid 38 start 13760.803658202 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 3.1487713 SUCCESS  
13765.573573248 [ sid 39 start 13764.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.882379948 SUCCESS  
13861.71759156 [ sid 40 start 13815.668921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 46.048669741 SUCCESS



```

13912.841774745 [ sid 41 start 13911.959699973 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 0.882074772 SUCCESS
13959.035490241 [ sid 42 start 13949.527027884 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 9.508462357 SUCCESS
13980.417314308 [ sid 43 start 13978.465316255 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 5292B seconds: 1.951998053 SUCCESS
14931.951972692 [ sid 44 start 14077.294442137 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 854.657530555 SUCCESS
15196.936599708 [ sid 45 start 15025.372645752 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 171.563953956 SUCCESS
15702.133570458 [ sid 46 start 15374.520399495 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 327.613170963 SUCCESS
15932.400629465 [ sid 47 start 15923.692525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 8.708104006 SUCCESS
16680.352471655 [ sid 48 start 16005.653248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 674.699222957 SUCCESS
17117.675183431 [ sid 49 start 16814.759721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 302.915461476 SUCCESS
17594.874225319 [ sid 50 start 17416.709607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 178.164617902 SUCCESS
17717.92109226 [ sid 51 start 17715.687261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 2.233830892 SUCCESS
17830.874689995 [ sid 52 start 17812.385619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 18.489070921 SUCCESS
17879.303535313 [ sid 53 start 17877.331904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.971630674 SUCCESS
18421.887628195 [ sid 54 start 17914.149428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 507.738199538 SUCCESS
18427.123082045 [ sid 55 start 18423.071336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 4.051745201 SUCCESS
19796.044435753 [ sid 56 start 18453.117556857 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1342.926878896 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362001 events, 1890 ms, 199 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)                -      -      - 2
~# 5:1    | *> 3                3:1(2)                -      -      - 3
~# 5:1    | *> 4                4:1(2)                -      -      - 4
~# 5:1    | *> 1                1:1(2)                -      -      - 1
~# 5:1    | *> 5                self                   -      -      - i

```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                2:1(3)                -      100     - 2
~# 1:1    | *> 3                2:1(3)                -      100     - 2 3
~# 1:1    | *> 4                2:1(3)                -      100     - 2 3 4
~# 1:1    | *> 1                self                   -      -      - i
~# 1:1    | *> 5                2:1(3)                -      100     - 2 5

```

```

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)          -      100      - 3 2
~# 4:1  | *> 3                3:1(1)          -      100      - 3
~# 4:1  | *> 4                self            -      -        - i
~# 4:1  | *> 1                3:1(1)          -      100      - 3 2 1
~# 4:1  | *> 5                3:1(1)          -      100      - 3 5
.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)          -      -        - 2
~# 3:1  | *> 3                self            -      -        - i
~# 3:1  | *> 4                4:1(3)          -      -        - 4
~# 3:1  | *> 1                2:1(1)          -      -        - 2 1
~# 3:1  | *> 5                5:1(4)          -      -        - 5
.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -        - i
~# 2:1  | *> 3                3:1(3)          -      -        - 3
~# 2:1  | *> 4                3:1(3)          -      -        - 3 4
~# 2:1  | *> 1                1:1(3)          -      -        - 1
~# 2:1  | *> 5                5:1(3)          -      -        - 5
-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)

8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.218 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
100.790402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 40.373728733 SUCCESS
113.183728746 [ sid 1 start 110.501513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 2.682215153 SUCCESS
314.562275757 [ sid 2 start 120.467819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 194.094456353 SUCCESS
424.569242896 [ sid 3 start 356.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 67.909958646 SUCCESS
449.157306893 [ sid 4 start 445.578277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 3.57902926 SUCCESS
729.470654993 [ sid 5 start 725.893012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 3.577642237 SUCCESS
1604.796774993 [ sid 6 start 817.491424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 787.305350346 SUCCESS
1924.639285093 [ sid 7 start 1654.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 270.621371239 SUCCESS
3551.109669387 [ sid 8 start 1959.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1591.982683412 SUCCESS
3581.27199779 [ sid 9 start 3578.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 2.681821476 SUCCESS
3655.009550703 [ sid 10 start 3618.195387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 36.814163024 SUCCESS
3722.400612929 [ sid 11 start 3715.505303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 6.895309454 SUCCESS
4304.255633327 [ sid 12 start 3879.328365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 424.927267661 SUCCESS
4848.175349865 [ sid 13 start 4318.681137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 529.494212178 SUCCESS
5538.98994931 [ sid 14 start 4849.393014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 689.596934984 SUCCESS
5624.188672677 [ sid 15 start 5572.793677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 51.394995561 SUCCESS

```

6441.924281884 [ sid 16 start 6259.682354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 182.241927497 SUCCESS  
6662.821350446 [ sid 17 start 6460.054938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 202.766412377 SUCCESS  
7218.509276883 [ sid 18 start 6721.211652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 497.297624246 SUCCESS  
7404.21768903 [ sid 19 start 7250.096734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 154.120954981 SUCCESS  
8052.026510349 [ sid 20 start 7445.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 607.024919669 SUCCESS  
8364.809886108 [ sid 21 start 8328.445889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 36.363996771 SUCCESS  
8743.085456983 [ sid 22 start 8589.141676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 153.943780657 SUCCESS  
8829.840490964 [ sid 23 start 8827.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 2.681559025 SUCCESS  
8980.835180842 [ sid 24 start 8978.153086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 2.682094608 SUCCESS  
9149.186734829 [ sid 25 start 9077.752151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 71.434583262 SUCCESS  
10106.58546551 [ sid 26 start 9399.2703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 707.31511281 SUCCESS  
10396.093261255 [ sid 27 start 10154.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 241.654133689 SUCCESS  
11007.484296925 [ sid 28 start 10449.022755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 558.461540968 SUCCESS  
12278.570426574 [ sid 29 start 11107.356728657 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1171.213697917 SUCCESS  
12453.434291831 [ sid 30 start 12311.382713553 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 142.051578278 SUCCESS  
12626.469125761 [ sid 31 start 12468.412040214 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 158.057085547 SUCCESS  
12880.52472351 [ sid 32 start 12652.882918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 227.641804593 SUCCESS  
13398.596340482 [ sid 33 start 12891.207357413 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 507.388983069 SUCCESS  
13954.246052508 [ sid 34 start 13422.339156781 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 531.906895727 SUCCESS  
14159.180404164 [ sid 35 start 14124.827585375 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 34.352818789 SUCCESS  
14428.793575117 [ sid 36 start 14257.678216765 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 171.115358352 SUCCESS  
14776.467950058 [ sid 37 start 14463.019886819 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 313.448063239 SUCCESS  
14930.952429502 [ sid 38 start 14923.003658202 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 7.9487713 SUCCESS  
14934.373573248 [ sid 39 start 14931.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 2.682379948 SUCCESS  
15039.51759156 [ sid 40 start 14984.468921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 55.048669741 SUCCESS  
15092.441774745 [ sid 41 start 15089.759699973 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 2.682074772 SUCCESS  
15151.235490241 [ sid 42 start 15129.127027884 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 22.108462357 SUCCESS  
15176.217314308 [ sid 43 start 15170.665316255 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 5.551998053 SUCCESS

```

16370.751972692 [ sid 44 start 15273.094442137 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 1097.657530555 SUCCESS
16659.736599708 [ sid 45 start 16464.172645752 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 195.563953956 SUCCESS
17214.733570458 [ sid 46 start 16837.320399495 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 377.413170963 SUCCESS
17460.000629465 [ sid 47 start 17436.292525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 23.708104006 SUCCESS
18234.952471655 [ sid 48 start 17533.253248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 701.699222957 SUCCESS
18704.675183431 [ sid 49 start 18369.359721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 335.315461476 SUCCESS
19205.874225319 [ sid 50 start 19003.709607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 202.164617902 SUCCESS
19333.12109226 [ sid 51 start 19326.687261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 6.433830892 SUCCESS
19474.274689995 [ sid 52 start 19427.585619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 46.689070921 SUCCESS
19526.303535313 [ sid 53 start 19520.731904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 5.571630674 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362189 events, 1922 ms, 194 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                  2:1(2)          -      -      - 2
~# 5:1    | *> 3                  3:1(2)          -      -      - 3
~# 5:1    | *> 4                  4:1(2)          -      -      - 4
~# 5:1    | *> 1                  1:1(2)          -      -      - 1
~# 5:1    | *> 5                  self            -      -      - i

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                  2:1(3)          -      100     - 2
~# 1:1    | *> 3                  2:1(3)          -      100     - 2 3
~# 1:1    | *> 4                  2:1(3)          -      100     - 2 3 4
~# 1:1    | *> 1                  self            -      -      - i
~# 1:1    | *> 5                  2:1(3)          -      100     - 2 5

```

```

.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                  3:1(1)          -      100     - 3 2
~# 4:1    | *> 3                  3:1(1)          -      100     - 3
~# 4:1    | *> 4                  self            -      -      - i
~# 4:1    | *> 1                  3:1(1)          -      100     - 3 2 1
~# 4:1    | *> 5                  3:1(1)          -      100     - 3 5

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *>  2                2:1(1)          -      -      - 2
~# 3:1  | *>  3                self            -      -      - i
~# 3:1  | *>  4                4:1(3)         -      -      - 4
~# 3:1  | *>  1                2:1(1)         -      -      - 2 1
~# 3:1  | *>  5                5:1(4)         -      -      - 5

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  2                self            -      -      - i
~# 2:1  | *>  3                3:1(3)         -      -      - 3
~# 2:1  | *>  4                3:1(3)         -      -      - 3 4
~# 2:1  | *>  1                1:1(3)         -      -      - 1
~# 2:1  | *>  5                5:1(3)         -      -      - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.235 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

108.790402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 11083B seconds: 48.373728733 SUCCESS

124.183728746 [ sid 1 start 118.501513593 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3229B seconds: 5.682215153 SUCCESS

344.562275757 [ sid 2 start 131.467819404 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 213.094456353 SUCCESS

478.569242896 [ sid 3 start 386.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 91.909958646 SUCCESS

507.157306893 [ sid 4 start 499.578277633 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 7.57902926 SUCCESS

791.470654993 [ sid 5 start 783.893012756 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 7.577642237 SUCCESS

1774.796774993 [ sid 6 start 879.491424647 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 895.305350346 SUCCESS

2124.639285093 [ sid 7 start 1824.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 300.621371239 SUCCESS

4001.109669387 [ sid 8 start 2159.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 1841.982683412 SUCCESS

4034.27199779 [ sid 9 start 4028.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 5.681821476 SUCCESS

4114.009550703 [ sid 10 start 4071.195387679 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 42.814163024 SUCCESS

4188.400612929 [ sid 11 start 4174.505303475 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 13.895309454 SUCCESS

4845.255633327 [ sid 12 start 4345.328365666 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 499.927267661 SUCCESS

5401.175349865 [ sid 13 start 4859.681137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 541.494212178 SUCCESS

6174.98994931 [ sid 14 start 5402.393014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 772.596934984 SUCCESS

6278.188672677 [ sid 15 start 6208.793677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 69.394995561 SUCCESS

7128.924281884 [ sid 16 start 6913.682354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 215.241927497 SUCCESS

7443.821350446 [ sid 17 start 7147.054938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 296.766412377 SUCCESS

8047.509276883 [ sid 18 start 7502.211652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 545.297624246 SUCCESS  
8264.21768903 [ sid 19 start 8079.096734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 185.120954981 SUCCESS  
9019.026510349 [ sid 20 start 8305.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 714.024919669 SUCCESS  
9368.809886108 [ sid 21 start 9295.445889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 73.363996771 SUCCESS  
9768.085456983 [ sid 22 start 9593.141676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 174.943780657 SUCCESS  
9857.840490964 [ sid 23 start 9852.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 5.681559025 SUCCESS  
10011.835180842 [ sid 24 start 10006.153086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 5.682094608 SUCCESS  
10216.186734829 [ sid 25 start 10108.752151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 107.434583262 SUCCESS  
11281.58546551 [ sid 26 start 10466.2703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 815.31511281 SUCCESS  
11593.093261255 [ sid 27 start 11329.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 263.654133689 SUCCESS  
12274.484296925 [ sid 28 start 11646.022755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 628.461540968 SUCCESS  
13696.570426574 [ sid 29 start 12374.356728657 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1322.213697917 SUCCESS  
13901.434291831 [ sid 30 start 13729.382713553 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 172.051578278 SUCCESS  
14095.469125761 [ sid 31 start 13916.412040214 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 179.057085547 SUCCESS  
14383.52472351 [ sid 32 start 14121.882918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 261.641804593 SUCCESS  
14988.596340482 [ sid 33 start 14394.207357413 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 594.388983069 SUCCESS  
15656.246052508 [ sid 34 start 15012.339156781 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 643.906895727 SUCCESS  
15896.180404164 [ sid 35 start 15826.827585375 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 69.352818789 SUCCESS  
16198.793575117 [ sid 36 start 15994.678216765 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 204.115358352 SUCCESS  
16713.467950058 [ sid 37 start 16233.019886819 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 480.448063239 SUCCESS  
16875.952429502 [ sid 38 start 16860.003658202 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 15.9487713 SUCCESS  
16882.373573248 [ sid 39 start 16876.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 5.682379948 SUCCESS  
17002.51759156 [ sid 40 start 16932.468921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 70.048669741 SUCCESS  
17058.441774745 [ sid 41 start 17052.759699973 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 5.682074772 SUCCESS  
17138.235490241 [ sid 42 start 17095.127027884 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 43.108462357 SUCCESS  
17169.217314308 [ sid 43 start 17157.665316255 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 11.551998053 SUCCESS  
18768.751980715 [ sid 44 start 17266.094442137 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 1502.657538578 SUCCESS  
19097.736607731 [ sid 45 start 18862.172653775 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 235.563953956 SUCCESS



19735.733578481 [ sid 46 start 19275.320407518 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 460.413170963 SUCCESS

| 1 timelines, 5 barriers, 361594 events, 1890 ms, 197 Kevt/s

```

..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2                2:1(2)          -      -      - 2
~# 5:1 | *> 3                3:1(2)          -      -      - 3
~# 5:1 | *> 4                4:1(2)          -      -      - 4
~# 5:1 | *> 1                1:1(2)          -      -      - 1
~# 5:1 | *> 5                self            -      -      - i
.....
..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                2:1(3)          -     100      - 2
~# 1:1 | *> 3                2:1(3)          -     100      - 2 3
~# 1:1 | *> 4                2:1(3)          -     100      - 2 3 4
~# 1:1 | *> 1                self            -      -      - i
~# 1:1 | *> 5                2:1(3)          -     100      - 2 5
.....
..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2                3:1(1)          -     100      - 3 2
~# 4:1 | *> 3                3:1(1)          -     100      - 3
~# 4:1 | *> 4                self            -      -      - i
~# 4:1 | *> 1                3:1(1)          -     100      - 3 2 1
~# 4:1 | *> 5                3:1(1)          -     100      - 3 5
.....
..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2                2:1(1)          -      -      - 2
~# 3:1 | *> 3                self            -      -      - i
~# 3:1 | *> 4                4:1(3)          -      -      - 4
~# 3:1 | *> 1                2:1(1)          -      -      - 2 1
~# 3:1 | *> 5                5:1(4)          -      -      - 5
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -      - i
~# 2:1 | *> 3                3:1(3)          -      -      - 3
~# 2:1 | *> 4                3:1(3)          -      -      - 3 4
~# 2:1 | *> 1                1:1(3)          -      -      - 1
~# 2:1 | *> 5                5:1(3)          -      -      - 5

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

116.790402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 2 total: 11083B seconds: 56.373728733 SUCCESS

135.183728746 [ sid 1 start 126.501513593 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3229B seconds: 8.682215153 SUCCESS  
374.562275757 [ sid 2 start 142.467819404 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 232.094456353 SUCCESS  
532.569242896 [ sid 3 start 416.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 115.909958646 SUCCESS  
565.157306893 [ sid 4 start 553.578277633 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 11.57902926 SUCCESS  
853.470654993 [ sid 5 start 841.893012756 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 11.577642237 SUCCESS  
1944.796774993 [ sid 6 start 941.491424647 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 1003.305350346 SUCCESS  
2324.639285093 [ sid 7 start 1994.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 330.621371239 SUCCESS  
4451.109669387 [ sid 8 start 2359.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 2091.982683412 SUCCESS  
4487.27199779 [ sid 9 start 4478.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 8.681821476 SUCCESS  
4573.009550703 [ sid 10 start 4524.195387679 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 48.814163024 SUCCESS  
4654.400612929 [ sid 11 start 4633.505303475 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 20.895309454 SUCCESS  
5386.255633327 [ sid 12 start 4811.328365666 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 574.927267661 SUCCESS  
5954.175349865 [ sid 13 start 5400.681137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 553.494212178 SUCCESS  
6810.98994931 [ sid 14 start 5955.393014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 855.596934984 SUCCESS  
6932.188672677 [ sid 15 start 6844.793677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 87.394995561 SUCCESS  
7815.924281884 [ sid 16 start 7567.682354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 248.241927497 SUCCESS  
8224.821350446 [ sid 17 start 7834.054938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 390.766412377 SUCCESS  
8876.509276883 [ sid 18 start 8283.211652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 593.297624246 SUCCESS  
9124.21768903 [ sid 19 start 8908.096734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 216.120954981 SUCCESS  
9986.026510349 [ sid 20 start 9165.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 821.024919669 SUCCESS  
10372.809886108 [ sid 21 start 10262.445889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 110.363996771 SUCCESS  
10793.085456983 [ sid 22 start 10597.141676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 195.943780657 SUCCESS  
10885.840490964 [ sid 23 start 10877.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 8.681559025 SUCCESS  
11042.835180842 [ sid 24 start 11034.153086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 8.682094608 SUCCESS  
11283.186734829 [ sid 25 start 11139.752151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 143.434583262 SUCCESS  
12456.58546551 [ sid 26 start 11533.2703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 923.31511281 SUCCESS  
12790.093261255 [ sid 27 start 12504.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 285.654133689 SUCCESS  
13541.484296925 [ sid 28 start 12843.022755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 698.461540968 SUCCESS

```

15114.570426574 [ sid 29 start 13641.356728657 ] clnt 1:2 srv 2:2(0) #pages:
23 #objects: 39 total: 787096B seconds: 1473.213697917 SUCCESS
15349.434291831 [ sid 30 start 15147.382713553 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 202.051578278 SUCCESS
15564.469125761 [ sid 31 start 15364.412040214 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 200.057085547 SUCCESS
15886.52472351 [ sid 32 start 15590.882918917 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 11 total: 32526B seconds: 295.641804593 SUCCESS
16578.596340482 [ sid 33 start 15897.207357413 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 681.388983069 SUCCESS
17358.246052508 [ sid 34 start 16602.339156781 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 755.906895727 SUCCESS
17633.180404164 [ sid 35 start 17528.827585375 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 104.352818789 SUCCESS
17968.793575117 [ sid 36 start 17731.678216765 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 237.115358352 SUCCESS
18650.467950058 [ sid 37 start 18003.019886819 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 647.448063239 SUCCESS
18820.952429502 [ sid 38 start 18797.003658202 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 23.9487713 SUCCESS
18830.373573248 [ sid 39 start 18821.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3445B seconds: 8.682379948 SUCCESS
18965.51759156 [ sid 40 start 18880.468921819 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 4 total: 30841B seconds: 85.048669741 SUCCESS
19024.441774745 [ sid 41 start 19015.759699973 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 8.682074772 SUCCESS
19125.235490241 [ sid 42 start 19061.127027884 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 64.108462357 SUCCESS
19162.217314308 [ sid 43 start 19144.665316255 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 5292B seconds: 17.551998053 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 357323 events, 1781 ms, 209 Kevt/s
-----

```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)                -      -      - 2
~# 5:1    | *> 3                3:1(2)                -      -      - 3
~# 5:1    | *> 4                4:1(2)                -      -      - 4
~# 5:1    | *> 1                1:1(2)                -      -      - 1
~# 5:1    | *> 5                self                   -      -      - i

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                2:1(3)                -      100     - 2
~# 1:1    | *> 3                2:1(3)                -      100     - 2 3
~# 1:1    | *> 4                2:1(3)                -      100     - 2 3 4
~# 1:1    | *> 1                self                   -      -      - i
~# 1:1    | *> 5                2:1(3)                -      100     - 2 5

```

```

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)          -      100      - 3 2
~# 4:1  | *> 3                3:1(1)          -      100      - 3
~# 4:1  | *> 4                self            -      -        - i
~# 4:1  | *> 1                3:1(1)          -      100      - 3 2 1
~# 4:1  | *> 5                3:1(1)          -      100      - 3 5

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)          -      -        - 2
~# 3:1  | *> 3                self            -      -        - i
~# 3:1  | *> 4                4:1(3)          -      -        - 4
~# 3:1  | *> 1                2:1(1)          -      -        - 2 1
~# 3:1  | *> 5                5:1(4)          -      -        - 5

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -        - i
~# 2:1  | *> 3                3:1(3)          -      -        - 3
~# 2:1  | *> 4                3:1(3)          -      -        - 3 4
~# 2:1  | *> 1                1:1(3)          -      -        - 1
~# 2:1  | *> 5                5:1(3)          -      -        - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)

```

6          0.0.0.72/30          0x00000048      5:1(2) 1:1(2)
7          0.0.0.68/30          0x00000044      5:1(3) 2:1(2)
8          0.0.0.64/30          0x00000040      5:1(4) 3:1(2)
9          0.0.0.60/30          0x0000003c      1:1(1) 4:1(1)
10         0.0.0.56/30          0x00000038      1:1(3) 2:1(3)
11         0.0.0.52/30          0x00000034      2:1(1) 3:1(3)
12         0.0.0.48/30          0x00000030      3:1(1) 4:1(3)
13         0.0.0.44/30          0x0000002c      1:1(4) 1:2(0)
14         0.0.0.40/30          0x00000028      2:1(4) 2:2(0)

```

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.234 seconds

\*\* Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

```

142.390402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 81.973728733 SUCCESS
170.383728746 [ sid 1 start 152.101513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 18.282215153 SUCCESS
537.584524454 [ sid 2 start 177.667819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 359.91670505 SUCCESS
778.484971672 [ sid 3 start 579.681532947 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 198.803438725 SUCCESS
823.873035669 [ sid 4 start 799.494006409 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 24.37902926 SUCCESS
1124.986383769 [ sid 5 start 1100.608741532 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 24.377642237 SUCCESS
2574.096932463 [ sid 6 start 1213.007153423 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1361.08977904 SUCCESS
3056.033213306 [ sid 7 start 2623.318071324 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 432.715141982 SUCCESS
6122.671524877 [ sid 8 start 3090.520914188 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 3032.150610689 SUCCESS
6168.43385328 [ sid 9 start 6150.152031804 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 18.281821476 SUCCESS
6273.371406193 [ sid 10 start 6205.357243169 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 68.014163024 SUCCESS
6377.162468419 [ sid 11 start 6333.867158965 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 43.295309454 SUCCESS
7416.022641846 [ sid 12 start 6534.090221156 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 881.93242069 SUCCESS

```

```

8022.342358384 [ sid 13 start 7430.448146206 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 591.894212178 SUCCESS
9181.322579755 [ sid 14 start 8023.560022845 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 1157.76255691 SUCCESS
9360.126008946 [ sid 15 start 9215.126307561 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 144.999701385 SUCCESS
10349.461618153 [ sid 16 start 9995.619690656 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 353.841927497 SUCCESS
11089.617894024 [ sid 17 start 10367.592274338 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 27 total: 145762B seconds: 722.025619686 SUCCESS
11943.634196861 [ sid 18 start 11148.008196215 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 206518B seconds: 795.626000646 SUCCESS
12308.830146821 [ sid 19 start 11975.221654027 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 8 total: 95428B seconds: 333.608492794 SUCCESS
13610.525404576 [ sid 20 start 12349.614048471 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 26 total: 395033B seconds: 1260.911356105 SUCCESS
14140.074524931 [ sid 21 start 13886.944783564 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 253.129741367 SUCCESS
14627.550095806 [ sid 22 start 14364.406315149 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 263.143780657 SUCCESS
14729.905129787 [ sid 23 start 14711.623570762 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 2369B seconds: 18.281559025 SUCCESS
14896.499819665 [ sid 24 start 14878.217725057 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3071B seconds: 18.282094608 SUCCESS
15282.508585861 [ sid 25 start 14993.41679039 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 10 total: 83791B seconds: 289.091795471 SUCCESS
16825.874617534 [ sid 26 start 15532.592203732 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 1293.282413802 SUCCESS
17229.782413279 [ sid 27 start 16873.72827959 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 6 total: 28005B seconds: 356.054133689 SUCCESS
18229.539193545 [ sid 28 start 17282.711907981 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 946.827285564 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 343409 events, 1922 ms, 184 Kevt/s
-----

```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)                -      -      - 2
~# 5:1    | *> 3                3:1(2)                -      -      - 3
~# 5:1    | *> 4                4:1(2)                -      -      - 4
~# 5:1    | *> 1                1:1(2)                -      -      - 1
~# 5:1    | *> 5                self                   -      -      - i

```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                2:1(3)                -      100     - 2
~# 1:1    | *> 3                2:1(3)                -      100     - 2 3
~# 1:1    | *> 4                2:1(3)                -      100     - 2 3 4
~# 1:1    | *> 1                self                   -      -      - i
~# 1:1    | *> 5                2:1(3)                -      100     - 2 5

```

```

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1 (1)          -      100      - 3 2
~# 4:1  | *> 3                3:1 (1)          -      100      - 3
~# 4:1  | *> 4                self             -      -        - i
~# 4:1  | *> 1                3:1 (1)          -      100      - 3 2 1
~# 4:1  | *> 5                3:1 (1)          -      100      - 3 5

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)          -      -        - 2
~# 3:1  | *> 3                self             -      -        - i
~# 3:1  | *> 4                4:1 (3)          -      -        - 4
~# 3:1  | *> 1                2:1 (1)          -      -        - 2 1
~# 3:1  | *> 5                5:1 (4)          -      -        - 5

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self             -      -        - i
~# 2:1  | *> 3                3:1 (3)          -      -        - 3
~# 2:1  | *> 4                3:1 (3)          -      -        - 3 4
~# 2:1  | *> 1                1:1 (3)          -      -        - 1
~# 2:1  | *> 5                5:1 (3)          -      -        - 5

```

### 1.3. BGP-C2 EN T2

**Tabla 5.** Paquetes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 1. BGP-C2 en t2

P. Recibidos	P. Perdidos	Tasa de Perdida
60	0	0
58	2	0.033333333
57	3	0.05
56	4	0.066666667
48	12	0.2
44	16	0.266666667
29	31	0.516666667



**Tabla 6. Bytes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 1. BGP-C2 en t2**

B. Recibidos	B. Perdidos	Tasa de Perdida
8,746,505	0	0
8,683,341	63,164	0.007221627
8,609,218	137,287	0.015696212
8,395,042	351,463	0.04018325
7,804,402	942,103	0.107711938
5,031,079	3,715,426	0.424789787
3,131,641	5,614,864	0.641955158

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/25      0x00000000
0            0.0.0.32/29     0x00000020   5
0/0         0.0.0.32/30     0x00000020
1           0.0.0.24/29     0x00000018   1
1/0        0.0.0.24/30     0x00000018
2           0.0.0.16/29     0x00000010   4
2/0        0.0.0.16/30     0x00000010
3           0.0.0.8/29      0x00000008   3
3/0        0.0.0.8/30      0x00000008
4           0.0.0.0/29      0x00000000   2
4/0        0.0.0.0/30      0x00000000
5           0.0.0.76/30     0x0000004c   5:1(1) 4:1(2)
6           0.0.0.72/30     0x00000048   5:1(2) 1:1(2)
7           0.0.0.68/30     0x00000044   5:1(3) 2:1(2)
8           0.0.0.64/30     0x00000040   5:1(4) 3:1(2)
9           0.0.0.60/30     0x0000003c   1:1(1) 4:1(1)
10          0.0.0.56/30     0x00000038   1:1(3) 2:1(3)
11          0.0.0.52/30     0x00000034   2:1(1) 3:1(3)
12          0.0.0.48/30     0x00000030   3:1(1) 4:1(3)
13          0.0.0.44/30     0x0000002c   1:1(4) 1:2(0)
14          0.0.0.40/30     0x00000028   2:1(4) 2:2(0)

NHI Addr          CIDR Level          IP Address Block          % util
--           --           0.0.0.0/25           64.0625
1            1            0.0.0.24/29         75.0
2            4            0.0.0.0/29         75.0
3            3            0.0.0.8/29         75.0
4            2            0.0.0.16/29        75.0
5            0            0.0.0.32/29        75.0

```

```
**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

94.390402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 33.973728733 SUCCESS
104.383728746 [ sid 1 start 104.101513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.282215153 SUCCESS
290.562275757 [ sid 2 start 111.667819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 178.894456353 SUCCESS
381.369242896 [ sid 3 start 332.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 48.709958646 SUCCESS
402.757306893 [ sid 4 start 402.378277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.37902926 SUCCESS
679.870654993 [ sid 5 start 679.493012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.377642237 SUCCESS
1468.796774993 [ sid 6 start 767.891424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 700.905350346 SUCCESS
1764.639285093 [ sid 7 start 1518.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 246.621371239 SUCCESS
3191.109669387 [ sid 8 start 1799.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1391.982683412 SUCCESS
3218.87199779 [ sid 9 start 3218.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.281821476 SUCCESS
3287.809550703 [ sid 10 start 3255.795387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 32.014163024 SUCCESS
3349.600612929 [ sid 11 start 3348.305303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 1.295309454 SUCCESS
3871.455633327 [ sid 12 start 3506.528365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 364.927267661 SUCCESS
4405.775349865 [ sid 13 start 3885.881137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 519.894212178 SUCCESS
5030.18994931 [ sid 14 start 4406.993014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 623.196934984 SUCCESS
5100.988672677 [ sid 15 start 5063.993677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 36.994995561 SUCCESS
5892.324281884 [ sid 16 start 5736.482354387 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 155.841927497 SUCCESS
6038.021350446 [ sid 17 start 5910.454938069 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 127.566412377 SUCCESS
6555.309276883 [ sid 18 start 6096.411652637 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 458.897624246 SUCCESS
6716.21768903 [ sid 19 start 6586.896734049 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 129.320954981 SUCCESS
7278.426510349 [ sid 20 start 6757.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 521.424919669 SUCCESS
7561.609886108 [ sid 21 start 7554.845889337 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 6.763996771 SUCCESS
```

7923.085456983 [ sid 22 start 7785.941676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 137.143780657 SUCCESS  
8007.440490964 [ sid 23 start 8007.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.281559025 SUCCESS  
8156.035180842 [ sid 24 start 8155.753086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.282094608 SUCCESS  
8295.586734829 [ sid 25 start 8252.952151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 42.634583262 SUCCESS  
9166.58546551 [ sid 26 start 8545.6703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 620.91511281 SUCCESS  
9438.493261255 [ sid 27 start 9214.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 224.054133689 SUCCESS  
9993.884296925 [ sid 28 start 9491.422755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 502.461540968 SUCCESS  
11144.170426574 [ sid 29 start 10093.756728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1050.413697917 SUCCESS  
11295.034291831 [ sid 30 start 11176.982713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 118.051578278 SUCCESS  
11451.269125761 [ sid 31 start 11310.012040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 141.257085547 SUCCESS  
11678.12472351 [ sid 32 start 11477.682918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 200.441804593 SUCCESS  
12126.596340482 [ sid 33 start 11688.807357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 437.788983069 SUCCESS  
12592.646052508 [ sid 34 start 12150.339156781 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 442.306895727 SUCCESS  
12769.580404164 [ sid 35 start 12763.227585375 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 6.352818789 SUCCESS  
13012.793575117 [ sid 36 start 12868.078216765 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 144.715358352 SUCCESS  
13226.867950058 [ sid 37 start 13047.019886819 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 179.848063239 SUCCESS  
13374.952429502 [ sid 38 start 13373.403658202 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 1.5487713 SUCCESS  
13375.973573248 [ sid 39 start 13375.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.282379948 SUCCESS  
13469.11759156 [ sid 40 start 13426.068921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 43.048669741 SUCCESS  
13519.641774745 [ sid 41 start 13519.359699973 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.282074772 SUCCESS  
13561.635490241 [ sid 42 start 13556.327027884 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 5.308462357 SUCCESS  
13581.817314308 [ sid 43 start 13581.065316255 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 0.751998053 SUCCESS  
14452.351972692 [ sid 44 start 13678.694442137 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 773.657530555 SUCCESS  
14709.336599708 [ sid 45 start 14545.772645752 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 163.563953956 SUCCESS  
15197.933570458 [ sid 46 start 14886.920399495 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 311.013170963 SUCCESS  
15423.200629465 [ sid 47 start 15419.492525459 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 3.708104006 SUCCESS  
16162.152471655 [ sid 48 start 15496.453248698 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 665.699222957 SUCCESS  
16588.675183431 [ sid 49 start 16296.559721955 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 292.115461476 SUCCESS

```

17057.874225319 [ sid 50 start 16887.709607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 170.164617902 SUCCESS
17179.521092226 [ sid 51 start 17178.687261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 0.833830892 SUCCESS
17283.074689995 [ sid 52 start 17273.985619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 9.089070921 SUCCESS
17330.303535313 [ sid 53 start 17329.531904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 0.771630674 SUCCESS
17846.287628195 [ sid 54 start 17365.149428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 481.138199538 SUCCESS
17849.123082045 [ sid 55 start 17847.471336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 1.651745201 SUCCESS
19194.644435753 [ sid 56 start 17875.117556857 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1319.526878896 SUCCESS
19538.76899589 [ sid 57 start 19229.523194277 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 74123B seconds: 309.245801613 SUCCESS
19739.972998327 [ sid 58 start 19595.732986813 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 9 total: 59898B seconds: 144.240011514 SUCCESS
19760.923607702 [ sid 59 start 19760.641364321 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3266B seconds: 0.282243381 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362447 events, 1875 ms, 200 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 5:1  | *>  2                2:1(2)                -      -      - 2
~# 5:1  | *>  3                3:1(2)                -      -      - 3
~# 5:1  | *>  4                4:1(2)                -      -      - 4
~# 5:1  | *>  1                1:1(2)                -      -      - 1
~# 5:1  | *>  5                self                   -      -      - i
.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:1  | *>  2                5:1(2)                -      100     - 5 2
~# 1:1  | *>  3                5:1(2)                -      100     - 5 3
~# 1:1  | *>  4                5:1(2)                -      100     - 5 4
~# 1:1  | *>  1                self                   -      -      - i
~# 1:1  | *>  5                5:1(2)                -      100     - 5
.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 4:1  | *>  2                3:1(1)                -      100     - 3 2
~# 4:1  | *>  3                3:1(1)                -      100     - 3
~# 4:1  | *>  4                self                   -      -      - i
~# 4:1  | *>  1                3:1(1)                -      100     - 3 2 1
~# 4:1  | *>  5                3:1(1)                -      100     - 3 5

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)          -      -      - 2
~# 3:1  | *> 3                self              -      -      - i
~# 3:1  | *> 4                4:1 (3)          -      -      - 4
~# 3:1  | *> 1                2:1 (1)          -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)          -      -      - 5

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self              -      -      - i
~# 2:1  | *> 3                3:1 (3)          -      -      - 3
~# 2:1  | *> 4                3:1 (3)          -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)          -      -      - 1
~# 2:1  | *> 5                5:1 (3)          -      -      - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

-- Phase III: add static routes

# Net config: 7 routers and hosts

## Elapsed time: 0.218 seconds

\*\* Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

95.190402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 11083B seconds: 34.773728733 SUCCESS

105.483728746 [ sid 1 start 104.901513593 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3229B seconds: 0.582215153 SUCCESS

293.562275757 [ sid 2 start 112.767819404 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 180.794456353 SUCCESS

386.769242896 [ sid 3 start 335.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 51.109958646 SUCCESS

408.557306893 [ sid 4 start 407.778277633 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 0.77902926 SUCCESS

686.070654993 [ sid 5 start 685.293012756 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 0.777642237 SUCCESS

1485.796774993 [ sid 6 start 774.091424647 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 711.705350346 SUCCESS

1784.639285093 [ sid 7 start 1535.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 249.621371239 SUCCESS

3236.109669387 [ sid 8 start 1819.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 1416.982683412 SUCCESS

3264.17199779 [ sid 9 start 3263.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 0.581821476 SUCCESS

3333.709550703 [ sid 10 start 3301.095387679 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 32.614163024 SUCCESS

3396.200612929 [ sid 11 start 3394.205303475 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 1.995309454 SUCCESS

3925.555633327 [ sid 12 start 3553.128365666 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 372.427267661 SUCCESS

4461.075349865 [ sid 13 start 3939.981137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 521.094212178 SUCCESS

5093.78994931 [ sid 14 start 4462.293014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 631.496934984 SUCCESS

5166.388672677 [ sid 15 start 5127.593677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 38.794995561 SUCCESS

5961.024281884 [ sid 16 start 5801.882354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 159.141927497 SUCCESS

6116.121350446 [ sid 17 start 5979.154938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 136.966412377 SUCCESS

6638.209276883 [ sid 18 start 6174.511652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 463.697624246 SUCCESS  
6802.21768903 [ sid 19 start 6669.796734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 132.420954981 SUCCESS  
7375.126510349 [ sid 20 start 6843.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 532.124919669 SUCCESS  
7662.009886108 [ sid 21 start 7651.545889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 10.463996771 SUCCESS  
8025.585456983 [ sid 22 start 7886.341676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 139.243780657 SUCCESS  
8110.240490964 [ sid 23 start 8109.658931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.581559025 SUCCESS  
8259.135180842 [ sid 24 start 8258.553086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.582094608 SUCCESS  
8402.286734829 [ sid 25 start 8356.052151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 46.234583262 SUCCESS  
9284.08546551 [ sid 26 start 8652.3703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 631.71511281 SUCCESS  
9558.193261255 [ sid 27 start 9331.939127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 226.254133689 SUCCESS  
10120.584296925 [ sid 28 start 9611.122755957 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 509.461540968 SUCCESS  
11285.970426574 [ sid 29 start 10220.456728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1065.513697917 SUCCESS  
11439.834291831 [ sid 30 start 11318.782713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 121.051578278 SUCCESS  
11598.169125761 [ sid 31 start 11454.812040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 143.357085547 SUCCESS  
11828.42472351 [ sid 32 start 11624.582918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 203.841804593 SUCCESS  
12285.596340482 [ sid 33 start 11839.107357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 446.488983069 SUCCESS  
12762.846052508 [ sid 34 start 12309.339156781 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 453.506895727 SUCCESS  
12943.280404164 [ sid 35 start 12933.427585375 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 9.852818789 SUCCESS  
13189.793575117 [ sid 36 start 13041.778216765 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 148.015358352 SUCCESS  
13420.567950058 [ sid 37 start 13224.019886819 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 196.548063239 SUCCESS  
13569.452429502 [ sid 38 start 13567.103658202 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 2.3487713 SUCCESS  
13570.773573248 [ sid 39 start 13570.1911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.582379948 SUCCESS  
13665.41759156 [ sid 40 start 13620.868921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 44.548669741 SUCCESS  
13716.241774745 [ sid 41 start 13715.659699973 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.582074772 SUCCESS  
13760.335490241 [ sid 42 start 13752.927027884 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 7.408462357 SUCCESS  
13781.117314308 [ sid 43 start 13779.765316255 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 1.351998053 SUCCESS  
14692.151972692 [ sid 44 start 13877.994442137 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 814.157530555 SUCCESS  
14953.136599708 [ sid 45 start 14785.572645752 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 167.563953956 SUCCESS

```

15450.033570458 [ sid 46 start 15130.720399495 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 319.313170963 SUCCESS
15677.800629465 [ sid 47 start 15671.592525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 6.208104006 SUCCESS
16421.252471655 [ sid 48 start 15751.053248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 670.199222957 SUCCESS
16853.175183431 [ sid 49 start 16555.659721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 297.515461476 SUCCESS
17326.374225319 [ sid 50 start 17152.209607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 174.164617902 SUCCESS
17448.72109226 [ sid 51 start 17447.187261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 1.533830892 SUCCESS
17556.974689995 [ sid 52 start 17543.185619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 13.789070921 SUCCESS
17604.803535313 [ sid 53 start 17603.431904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.371630674 SUCCESS
18134.087628195 [ sid 54 start 17639.649428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 494.438199538 SUCCESS
18138.123082045 [ sid 55 start 18135.271336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 2.851745201 SUCCESS
19495.344435753 [ sid 56 start 18164.117556857 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1331.226878896 SUCCESS
19842.86899589 [ sid 57 start 19530.223194277 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 74123B seconds: 312.645801613 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362474 events, 1860 ms, 203 Kevt/s
-----
```

```

..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i

```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 5:1(2) - 100 - 5 2
~# 1:1 | *> 3 5:1(2) - 100 - 5 3
~# 1:1 | *> 4 5:1(2) - 100 - 5 4
~# 1:1 | *> 1 self - - - i
~# 1:1 | *> 5 5:1(2) - 100 - 5

```

```

..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2 3:1(1) - 100 - 3 2
~# 4:1 | *> 3 3:1(1) - 100 - 3
~# 4:1 | *> 4 self - - - i
~# 4:1 | *> 1 3:1(1) - 100 - 3 2 1
~# 4:1 | *> 5 3:1(1) - 100 - 3 5

```



```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)         -      -      - 2
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 4                4:1 (3)         -      -      - 4
~# 3:1  | *> 1                2:1 (1)         -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)         -      -      - 5

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 3                3:1 (3)         -      -      - 3
~# 2:1  | *> 4                3:1 (3)         -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)         -      -      - 1
~# 2:1  | *> 5                5:1 (3)         -      -      - 5

```

```

-----
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|      Organization: Renesys
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|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts  
 --- Phase II: connect Point-To-Point links  
 --- Phase III: add static routes  
 ## Net config: 7 routers and hosts  
 ## Elapsed time: 0.218 seconds  
 \*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

95.990402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 2 total: 11083B seconds: 35.573728733 SUCCESS  
 106.583728746 [ sid 1 start 105.701513593 ] clnt 1:2 srv 2:2(0) #pages: 1  
 #objects: 1 total: 3229B seconds: 0.882215153 SUCCESS  
 296.562275757 [ sid 2 start 113.867819404 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 3 total: 332547B seconds: 182.694456353 SUCCESS  
 392.169242896 [ sid 3 start 338.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 7 total: 34901B seconds: 53.509958646 SUCCESS  
 414.357306893 [ sid 4 start 413.178277633 ] clnt 1:2 srv 2:2(0) #pages: 1  
 #objects: 1 total: 9138B seconds: 1.17902926 SUCCESS  
 692.270654993 [ sid 5 start 691.093012756 ] clnt 1:2 srv 2:2(0) #pages: 1  
 #objects: 1 total: 7360B seconds: 1.177642237 SUCCESS  
 1502.796774993 [ sid 6 start 780.291424647 ] clnt 1:2 srv 2:2(0) #pages: 16  
 #objects: 32 total: 137513B seconds: 722.505350346 SUCCESS  
 1804.639285093 [ sid 7 start 1552.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7  
 #objects: 9 total: 42462B seconds: 252.621371239 SUCCESS  
 3281.109669387 [ sid 8 start 1839.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30  
 #objects: 67 total: 666388B seconds: 1441.982683412 SUCCESS  
 3309.47199779 [ sid 9 start 3308.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1  
 #objects: 1 total: 2713B seconds: 0.881821476 SUCCESS  
 3379.609550703 [ sid 10 start 3346.395387679 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 2 total: 4938B seconds: 33.214163024 SUCCESS  
 3442.800612929 [ sid 11 start 3440.105303475 ] clnt 1:2 srv 2:2(0) #pages: 1  
 #objects: 2 total: 8925B seconds: 2.695309454 SUCCESS  
 3979.655633327 [ sid 12 start 3599.728365666 ] clnt 1:2 srv 2:2(0) #pages: 9  
 #objects: 19 total: 295255B seconds: 379.927267661 SUCCESS  
 4516.375349865 [ sid 13 start 3994.081137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
 #objects: 3 total: 15182B seconds: 522.294212178 SUCCESS  
 5157.38994931 [ sid 14 start 4517.593014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
 #objects: 23 total: 185182B seconds: 639.796934984 SUCCESS  
 5231.788672677 [ sid 15 start 5191.193677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 5 total: 26838B seconds: 40.594995561 SUCCESS  
 6029.724281884 [ sid 16 start 5867.282354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
 #objects: 10 total: 36894B seconds: 162.441927497 SUCCESS  
 6194.221350446 [ sid 17 start 6047.854938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
 #objects: 27 total: 145762B seconds: 146.366412377 SUCCESS  
 6721.109276883 [ sid 18 start 6252.611652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
 #objects: 12 total: 206518B seconds: 468.497624246 SUCCESS

6888.21768903 [ sid 19 start 6752.696734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 135.520954981 SUCCESS  
7471.826510349 [ sid 20 start 6929.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 542.824919669 SUCCESS  
7762.409886108 [ sid 21 start 7748.245889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 14.163996771 SUCCESS  
8128.085456983 [ sid 22 start 7986.741676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 141.343780657 SUCCESS  
8213.040490964 [ sid 23 start 8212.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.881559025 SUCCESS  
8362.235180842 [ sid 24 start 8361.353086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.882094608 SUCCESS  
8508.986734829 [ sid 25 start 8459.152151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 49.834583262 SUCCESS  
9401.58546551 [ sid 26 start 8759.0703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 642.51511281 SUCCESS  
9677.893261255 [ sid 27 start 9449.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 228.454133689 SUCCESS  
10247.284296925 [ sid 28 start 9730.822755957 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 516.461540968 SUCCESS  
11427.770426574 [ sid 29 start 10347.156728657 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1080.613697917 SUCCESS  
11584.634291831 [ sid 30 start 11460.582713553 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 124.051578278 SUCCESS  
11745.069125761 [ sid 31 start 11599.612040214 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 145.457085547 SUCCESS  
11978.72472351 [ sid 32 start 11771.482918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 207.241804593 SUCCESS  
12444.596340482 [ sid 33 start 11989.407357413 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 455.188983069 SUCCESS  
12933.046052508 [ sid 34 start 12468.339156781 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 464.706895727 SUCCESS  
13116.980404164 [ sid 35 start 13103.627585375 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 13.352818789 SUCCESS  
13366.793575117 [ sid 36 start 13215.478216765 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 151.315358352 SUCCESS  
13614.267950058 [ sid 37 start 13401.019886819 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 213.248063239 SUCCESS  
13763.952429502 [ sid 38 start 13760.803658202 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 3.1487713 SUCCESS  
13765.573573248 [ sid 39 start 13764.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.882379948 SUCCESS  
13861.71759156 [ sid 40 start 13815.668921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 46.048669741 SUCCESS  
13912.841774745 [ sid 41 start 13911.959699973 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.882074772 SUCCESS  
13959.035490241 [ sid 42 start 13949.527027884 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 9.508462357 SUCCESS  
13980.417314308 [ sid 43 start 13978.465316255 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 1.951998053 SUCCESS  
14931.951972692 [ sid 44 start 14077.294442137 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 854.657530555 SUCCESS  
15196.936599708 [ sid 45 start 15025.372645752 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 171.563953956 SUCCESS  
15702.133570458 [ sid 46 start 15374.520399495 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 327.613170963 SUCCESS

```

15932.400629465 [ sid 47 start 15923.692525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 8.708104006 SUCCESS
16680.352471655 [ sid 48 start 16005.653248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 674.699222957 SUCCESS
17117.675183431 [ sid 49 start 16814.759721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 302.915461476 SUCCESS
17594.874225319 [ sid 50 start 17416.709607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 178.164617902 SUCCESS
17717.92109226 [ sid 51 start 17715.687261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 2.233830892 SUCCESS
17830.874689995 [ sid 52 start 17812.385619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 18.489070921 SUCCESS
17879.303535313 [ sid 53 start 17877.331904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.971630674 SUCCESS
18421.887628195 [ sid 54 start 17914.149428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 507.738199538 SUCCESS
18427.123082045 [ sid 55 start 18423.071336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 4.051745201 SUCCESS
19796.044435753 [ sid 56 start 18453.117556857 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1342.926878896 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 361989 events, 1891 ms, 199 Kevt/s
-----
```

```

..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i

```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 5:1(2) - 100 - 5 2
~# 1:1 | *> 3 5:1(2) - 100 - 5 3
~# 1:1 | *> 4 5:1(2) - 100 - 5 4
~# 1:1 | *> 1 self - - - i
~# 1:1 | *> 5 5:1(2) - 100 - 5

```

```

..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2 3:1(1) - 100 - 3 2
~# 4:1 | *> 3 3:1(1) - 100 - 3
~# 4:1 | *> 4 self - - - i
~# 4:1 | *> 1 3:1(1) - 100 - 3 2 1
~# 4:1 | *> 5 3:1(1) - 100 - 3 5

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)         -      -      - 2
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 4                4:1 (3)         -      -      - 4
~# 3:1  | *> 1                2:1 (1)         -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)         -      -      - 5

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 3                3:1 (3)         -      -      - 3
~# 2:1  | *> 4                3:1 (3)         -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)         -      -      - 1
~# 2:1  | *> 5                5:1 (3)         -      -      - 5

```

```

-----
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|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

```
## Net config: 7 routers and hosts
## Elapsed time: 0.234 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
99.190402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 38.773728733 SUCCESS
110.983728746 [ sid 1 start 108.901513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 2.082215153 SUCCESS
308.562275757 [ sid 2 start 118.267819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 190.294456353 SUCCESS
413.769242896 [ sid 3 start 350.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 63.109958646 SUCCESS
437.557306893 [ sid 4 start 434.778277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 2.77902926 SUCCESS
717.070654993 [ sid 5 start 714.293012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 2.777642237 SUCCESS
1570.796774993 [ sid 6 start 805.091424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 765.705350346 SUCCESS
1884.639285093 [ sid 7 start 1620.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 264.621371239 SUCCESS
3461.109669387 [ sid 8 start 1919.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1541.982683412 SUCCESS
3490.67199779 [ sid 9 start 3488.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 2.081821476 SUCCESS
3563.209550703 [ sid 10 start 3527.595387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 35.614163024 SUCCESS
3629.200612929 [ sid 11 start 3623.705303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 5.495309454 SUCCESS
4196.055633327 [ sid 12 start 3786.128365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 409.927267661 SUCCESS
4737.575349865 [ sid 13 start 4210.481137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 527.094212178 SUCCESS
5411.78994931 [ sid 14 start 4738.793014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 672.996934984 SUCCESS
5493.388672677 [ sid 15 start 5445.593677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 47.794995561 SUCCESS
6304.524281884 [ sid 16 start 6128.882354387 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 175.641927497 SUCCESS
6506.621350446 [ sid 17 start 6322.654938069 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 183.966412377 SUCCESS
7052.709276883 [ sid 18 start 6565.011652637 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 487.697624246 SUCCESS
```

7232.21768903 [ sid 19 start 7084.296734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 147.920954981 SUCCESS  
7858.626510349 [ sid 20 start 7273.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 585.624919669 SUCCESS  
8164.009886108 [ sid 21 start 8135.045889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 28.963996771 SUCCESS  
8538.085456983 [ sid 22 start 8388.341676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 149.743780657 SUCCESS  
8624.240490964 [ sid 23 start 8622.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 2.081559025 SUCCESS  
8774.635180842 [ sid 24 start 8772.553086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 2.082094608 SUCCESS  
8935.786734829 [ sid 25 start 8871.552151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 64.234583262 SUCCESS  
9871.58546551 [ sid 26 start 9185.8703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 685.71511281 SUCCESS  
10156.693261255 [ sid 27 start 9919.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 237.254133689 SUCCESS  
10754.084296925 [ sid 28 start 10209.622755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 544.461540968 SUCCESS  
11994.970426574 [ sid 29 start 10853.956728657 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1141.013697917 SUCCESS  
12163.834291831 [ sid 30 start 12027.782713553 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 136.051578278 SUCCESS  
12332.669125761 [ sid 31 start 12178.812040214 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 153.857085547 SUCCESS  
12579.92472351 [ sid 32 start 12359.082918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 220.841804593 SUCCESS  
13080.596340482 [ sid 33 start 12590.607357413 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 489.988983069 SUCCESS  
13613.846052508 [ sid 34 start 13104.339156781 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 509.506895727 SUCCESS  
13811.780404164 [ sid 35 start 13784.427585375 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 27.352818789 SUCCESS  
14074.793575117 [ sid 36 start 13910.278216765 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 164.515358352 SUCCESS  
14389.067950058 [ sid 37 start 14109.019886819 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 280.048063239 SUCCESS  
14541.952429502 [ sid 38 start 14535.603658202 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 6.3487713 SUCCESS  
14544.773573248 [ sid 39 start 14542.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 2.082379948 SUCCESS  
14646.91759156 [ sid 40 start 14594.868921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 52.048669741 SUCCESS  
14699.241774745 [ sid 41 start 14697.159699973 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 2.082074772 SUCCESS  
14753.835490241 [ sid 42 start 14735.927027884 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 17.908462357 SUCCESS  
14777.617314308 [ sid 43 start 14773.265316255 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 4.351998053 SUCCESS  
15891.151972692 [ sid 44 start 14874.494442137 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 1016.657530555 SUCCESS  
16172.136599708 [ sid 45 start 15984.572645752 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 187.563953956 SUCCESS  
16710.533570458 [ sid 46 start 16349.720399495 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 22 total: 394361B seconds: 360.813170963 SUCCESS

```

16950.800629465 [ sid 47 start 16932.092525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 18.708104006 SUCCESS
17716.752471655 [ sid 48 start 17024.053248698 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 692.699222957 SUCCESS
18175.675183431 [ sid 49 start 17851.159721955 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 324.515461476 SUCCESS
18668.874225319 [ sid 50 start 18474.709607417 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 194.164617902 SUCCESS
18794.72109226 [ sid 51 start 18789.687261368 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 5.033830892 SUCCESS
18926.474689995 [ sid 52 start 18889.185619074 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 37.289070921 SUCCESS
18977.303535313 [ sid 53 start 18972.931904639 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 4.371630674 SUCCESS
19573.087628195 [ sid 54 start 19012.149428657 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 560.938199538 SUCCESS
19583.123082045 [ sid 55 start 19574.271336844 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 8.851745201 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 362510 events, 1891 ms, 198 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....

~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 5:1  | *>  2              2:1(2)              -      -      - 2
~# 5:1  | *>  3              3:1(2)              -      -      - 3
~# 5:1  | *>  4              4:1(2)              -      -      - 4
~# 5:1  | *>  1              1:1(2)              -      -      - 1
~# 5:1  | *>  5              self                 -      -      - i

.....
.....          bgp@1:1 wrap-up          .....
.....

~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:1  | *>  2              5:1(2)              -      100     - 5 2
~# 1:1  | *>  3              5:1(2)              -      100     - 5 3
~# 1:1  | *>  4              5:1(2)              -      100     - 5 4
~# 1:1  | *>  1              self                 -      -      - i
~# 1:1  | *>  5              5:1(2)              -      100     - 5

.....
.....          bgp@4:1 wrap-up          .....
.....

~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 4:1  | *>  2              3:1(1)              -      100     - 3 2
~# 4:1  | *>  3              3:1(1)              -      100     - 3
~# 4:1  | *>  4              self                 -      -      - i
~# 4:1  | *>  1              3:1(1)              -      100     - 3 2 1
~# 4:1  | *>  5              3:1(1)              -      100     - 3 5

```



```

..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2                2:1(1)          -      -      - 2
~# 3:1 | *> 3                self            -      -      - i
~# 3:1 | *> 4                4:1(3)         -      -      - 4
~# 3:1 | *> 1                2:1(1)         -      -      - 2 1
~# 3:1 | *> 5                5:1(4)         -      -      - 5

```

```

..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -      - i
~# 2:1 | *> 3                3:1(3)         -      -      - 3
~# 2:1 | *> 4                3:1(3)         -      -      - 3 4
~# 2:1 | *> 1                1:1(3)         -      -      - 1
~# 2:1 | *> 5                5:1(3)         -      -      - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/25       0x00000000
0            0.0.0.32/29       0x00000020   5
0/0          0.0.0.32/30       0x00000020
1            0.0.0.24/29       0x00000018   1
1/0          0.0.0.24/30       0x00000018
2            0.0.0.16/29       0x00000010   4
2/0          0.0.0.16/30       0x00000010
3            0.0.0.8/29        0x00000008   3
3/0          0.0.0.8/30        0x00000008
4            0.0.0.0/29        0x00000000   2
4/0          0.0.0.0/30        0x00000000
5            0.0.0.76/30       0x0000004c   5:1(1) 4:1(2)
6            0.0.0.72/30       0x00000048   5:1(2) 1:1(2)
7            0.0.0.68/30       0x00000044   5:1(3) 2:1(2)
8            0.0.0.64/30       0x00000040   5:1(4) 3:1(2)
9            0.0.0.60/30       0x0000003c   1:1(1) 4:1(1)
10           0.0.0.56/30       0x00000038   1:1(3) 2:1(3)
11           0.0.0.52/30       0x00000034   2:1(1) 3:1(3)
12           0.0.0.48/30       0x00000030   3:1(1) 4:1(3)
13           0.0.0.44/30       0x0000002c   1:1(4) 1:2(0)
14           0.0.0.40/30       0x00000028   2:1(4) 2:2(0)

```

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.218 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

107.190402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 46.773728733 SUCCESS
121.983728746 [ sid 1 start 116.901513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 5.082215153 SUCCESS
338.562275757 [ sid 2 start 129.267819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 209.294456353 SUCCESS
467.769242896 [ sid 3 start 380.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 87.109958646 SUCCESS
495.557306893 [ sid 4 start 488.778277633 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 6.77902926 SUCCESS
779.070654993 [ sid 5 start 772.293012756 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 6.777642237 SUCCESS
1740.796774993 [ sid 6 start 867.091424647 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 873.705350346 SUCCESS
2084.639285093 [ sid 7 start 1790.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 294.621371239 SUCCESS
3911.109669387 [ sid 8 start 2119.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1791.982683412 SUCCESS
3943.67199779 [ sid 9 start 3938.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 5.081821476 SUCCESS
4022.209550703 [ sid 10 start 3980.595387679 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 41.614163024 SUCCESS
4095.200612929 [ sid 11 start 4082.705303475 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 12.495309454 SUCCESS
4737.055633327 [ sid 12 start 4252.128365666 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 484.927267661 SUCCESS
5290.575349865 [ sid 13 start 4751.481137687 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 539.094212178 SUCCESS
6047.78994931 [ sid 14 start 5291.793014326 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 755.996934984 SUCCESS
6147.388672677 [ sid 15 start 6081.593677116 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 65.794995561 SUCCESS
6991.524281884 [ sid 16 start 6782.882354387 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 208.641927497 SUCCESS
7287.621350446 [ sid 17 start 7009.654938069 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 277.966412377 SUCCESS
7881.709276883 [ sid 18 start 7346.011652637 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 535.697624246 SUCCESS

```

8092.21768903 [ sid 19 start 7913.296734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 178.920954981 SUCCESS  
8825.626510349 [ sid 20 start 8133.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 692.624919669 SUCCESS  
9168.009886108 [ sid 21 start 9102.045889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 65.963996771 SUCCESS  
9563.085456983 [ sid 22 start 9392.341676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 170.743780657 SUCCESS  
9652.240490964 [ sid 23 start 9647.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 5.081559025 SUCCESS  
9805.635180842 [ sid 24 start 9800.553086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 5.082094608 SUCCESS  
10002.786734829 [ sid 25 start 9902.552151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 100.234583262 SUCCESS  
11046.58546551 [ sid 26 start 10252.8703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 793.71511281 SUCCESS  
11353.693261255 [ sid 27 start 11094.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 259.254133689 SUCCESS  
12021.084296925 [ sid 28 start 11406.622755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 614.461540968 SUCCESS  
13412.970426574 [ sid 29 start 12120.956728657 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1292.013697917 SUCCESS  
13611.834291831 [ sid 30 start 13445.782713553 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 166.051578278 SUCCESS  
13801.669125761 [ sid 31 start 13626.812040214 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 174.857085547 SUCCESS  
14082.92472351 [ sid 32 start 13828.082918917 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 254.841804593 SUCCESS  
14670.596340482 [ sid 33 start 14093.607357413 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 576.988983069 SUCCESS  
15315.846052508 [ sid 34 start 14694.339156781 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 621.506895727 SUCCESS  
15548.780404164 [ sid 35 start 15486.427585375 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 62.352818789 SUCCESS  
15844.793575117 [ sid 36 start 15647.278216765 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 197.515358352 SUCCESS  
16326.067950058 [ sid 37 start 15879.019886819 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 447.048063239 SUCCESS  
16486.952429502 [ sid 38 start 16472.603658202 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 14.3487713 SUCCESS  
16492.773573248 [ sid 39 start 16487.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 5.082379948 SUCCESS  
16609.91759156 [ sid 40 start 16542.868921819 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 67.048669741 SUCCESS  
16665.241774745 [ sid 41 start 16660.159699973 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 5.082074772 SUCCESS  
16740.835490241 [ sid 42 start 16701.927027884 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 38.908462357 SUCCESS  
16770.617314308 [ sid 43 start 16760.265316255 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 10.351998053 SUCCESS  
18289.151972692 [ sid 44 start 16867.494442137 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 1421.657530555 SUCCESS  
18610.136599708 [ sid 45 start 18382.572645752 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 227.563953956 SUCCESS  
19231.533570458 [ sid 46 start 18787.720399495 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 22 total: 394361B seconds: 443.813170963 SUCCESS

```
19496.800629465 [ sid 47 start 19453.092525459 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 43.708104006 SUCCESS
```

```
-----
| 1 timelines, 5 barriers, 361130 events, 1813 ms, 206 Kevt/s
-----
```

```
.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1  | *> 2                2:1(2)          -      -      - 2
~# 5:1  | *> 3                3:1(2)          -      -      - 3
~# 5:1  | *> 4                4:1(2)          -      -      - 4
~# 5:1  | *> 1                1:1(2)          -      -      - 1
~# 5:1  | *> 5                self            -      -      - i
```

```
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                5:1(2)          -      100     - 5 2
~# 1:1  | *> 3                5:1(2)          -      100     - 5 3
~# 1:1  | *> 4                5:1(2)          -      100     - 5 4
~# 1:1  | *> 1                self            -      -      - i
~# 1:1  | *> 5                5:1(2)          -      100     - 5
```

```
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)          -      100     - 3 2
~# 4:1  | *> 3                3:1(1)          -      100     - 3
~# 4:1  | *> 4                self            -      -      - i
~# 4:1  | *> 1                3:1(1)          -      100     - 3 2 1
~# 4:1  | *> 5                3:1(1)          -      100     - 3 5
```

```
.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)          -      -      - 2
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 4                4:1(3)          -      -      - 4
~# 3:1  | *> 1                2:1(1)          -      -      - 2 1
~# 3:1  | *> 5                5:1(4)          -      -      - 5
```

```
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 3                3:1(3)          -      -      - 3
~# 2:1  | *> 4                3:1(3)          -      -      - 3 4
~# 2:1  | *> 1                1:1(3)          -      -      - 1
~# 2:1  | *> 5                5:1(3)          -      -      - 5
```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

118.390402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2  
 #objects: 2 total: 11083B seconds: 57.973728733 SUCCESS

137.383728746 [ sid 1 start 128.101513593 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3229B seconds: 9.282215153 SUCCESS  
380.562275757 [ sid 2 start 144.667819404 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 235.894456353 SUCCESS  
543.369242896 [ sid 3 start 422.65928425 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 120.709958646 SUCCESS  
576.757306893 [ sid 4 start 564.378277633 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 12.37902926 SUCCESS  
865.870654993 [ sid 5 start 853.493012756 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 12.377642237 SUCCESS  
1978.796774993 [ sid 6 start 953.891424647 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 1024.905350346 SUCCESS  
2364.639285093 [ sid 7 start 2028.017913854 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 336.621371239 SUCCESS  
4541.109669387 [ sid 8 start 2399.126985975 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 2141.982683412 SUCCESS  
4577.87199779 [ sid 9 start 4568.590176314 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 9.281821476 SUCCESS  
4664.809550703 [ sid 10 start 4614.795387679 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 50.014163024 SUCCESS  
4747.600612929 [ sid 11 start 4725.305303475 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 22.295309454 SUCCESS  
5494.455633327 [ sid 12 start 4904.528365666 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 589.927267661 SUCCESS  
6064.775349865 [ sid 13 start 5508.881137687 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 555.894212178 SUCCESS  
6938.18994931 [ sid 14 start 6065.993014326 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 872.196934984 SUCCESS  
7062.988672677 [ sid 15 start 6971.993677116 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 90.994995561 SUCCESS  
7953.324281884 [ sid 16 start 7698.482354387 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 254.841927497 SUCCESS  
8381.021350446 [ sid 17 start 7971.454938069 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 409.566412377 SUCCESS  
9042.309276883 [ sid 18 start 8439.411652637 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 602.897624246 SUCCESS  
9296.21768903 [ sid 19 start 9073.896734049 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 222.320954981 SUCCESS  
10179.426510349 [ sid 20 start 9337.00159068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 842.424919669 SUCCESS  
10573.609886108 [ sid 21 start 10455.845889337 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 117.763996771 SUCCESS  
10998.085456983 [ sid 22 start 10797.941676326 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 200.143780657 SUCCESS  
11091.440490964 [ sid 23 start 11082.158931939 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 9.281559025 SUCCESS  
11249.035180842 [ sid 24 start 11239.753086234 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 9.282094608 SUCCESS  
11496.586734829 [ sid 25 start 11345.952151567 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 150.634583262 SUCCESS  
12691.58546551 [ sid 26 start 11746.6703527 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 944.91511281 SUCCESS  
13029.493261255 [ sid 27 start 12739.439127566 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 290.054133689 SUCCESS  
13794.884296925 [ sid 28 start 13082.422755957 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 712.461540968 SUCCESS

```

15398.170426574 [ sid 29 start 13894.756728657 ] clnt 1:2 srv 2:2(0) #pages:
23 #objects: 39 total: 787096B seconds: 1503.413697917 SUCCESS
15639.034291831 [ sid 30 start 15430.982713553 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 208.051578278 SUCCESS
15858.269125761 [ sid 31 start 15654.012040214 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 204.257085547 SUCCESS
16187.12472351 [ sid 32 start 15884.682918917 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 11 total: 32526B seconds: 302.441804593 SUCCESS
16896.596340482 [ sid 33 start 16197.807357413 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 698.788983069 SUCCESS
17698.646052508 [ sid 34 start 16920.339156781 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 778.306895727 SUCCESS
17980.580404164 [ sid 35 start 17869.227585375 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 111.352818789 SUCCESS
18322.793575117 [ sid 36 start 18079.078216765 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 243.715358352 SUCCESS
19037.867950058 [ sid 37 start 18357.019886819 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 680.848063239 SUCCESS
19209.952429502 [ sid 38 start 19184.403658202 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 25.5487713 SUCCESS
19219.973573248 [ sid 39 start 19210.6911933 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3445B seconds: 9.282379948 SUCCESS
19358.11759156 [ sid 40 start 19270.068921819 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 4 total: 30841B seconds: 88.048669741 SUCCESS
19417.641774745 [ sid 41 start 19408.359699973 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 9.282074772 SUCCESS
19522.635490241 [ sid 42 start 19454.327027884 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 68.308462357 SUCCESS
19560.817314308 [ sid 43 start 19542.065316255 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 5292B seconds: 18.751998053 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 355028 events, 1875 ms, 197 Kevt/s
-----

```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1  | *> 2                2:1(2)                -      -      - 2
~# 5:1  | *> 3                3:1(2)                -      -      - 3
~# 5:1  | *> 4                4:1(2)                -      -      - 4
~# 5:1  | *> 1                1:1(2)                -      -      - 1
~# 5:1  | *> 5                self                   -      -      - i
.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                5:1(2)                -      100    - 5 2
~# 1:1  | *> 3                5:1(2)                -      100    - 5 3
~# 1:1  | *> 4                5:1(2)                -      100    - 5 4
~# 1:1  | *> 1                self                   -      -      - i
~# 1:1  | *> 5                5:1(2)                -      100    - 5

```

```

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)          -      100      - 3 2
~# 4:1  | *> 3                3:1(1)          -      100      - 3
~# 4:1  | *> 4                self            -      -        - i
~# 4:1  | *> 1                3:1(1)          -      100      - 3 2 1
~# 4:1  | *> 5                3:1(1)          -      100      - 3 5

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)          -      -        - 2
~# 3:1  | *> 3                self            -      -        - i
~# 3:1  | *> 4                4:1(3)          -      -        - 4
~# 3:1  | *> 1                2:1(1)          -      -        - 2 1
~# 3:1  | *> 5                5:1(4)          -      -        - 5

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -        - i
~# 2:1  | *> 3                3:1(3)          -      -        - 3
~# 2:1  | *> 4                3:1(3)          -      -        - 3 4
~# 2:1  | *> 1                1:1(3)          -      -        - 1
~# 2:1  | *> 5                5:1(3)          -      -        - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2



```

4/0          0.0.0.0/30          0x00000000
5            0.0.0.76/30          0x0000004c    5:1(1) 4:1(2)
6            0.0.0.72/30          0x00000048    5:1(2) 1:1(2)
7            0.0.0.68/30          0x00000044    5:1(3) 2:1(2)
8            0.0.0.64/30          0x00000040    5:1(4) 3:1(2)
9            0.0.0.60/30          0x0000003c    1:1(1) 4:1(1)
10           0.0.0.56/30          0x00000038    1:1(3) 2:1(3)
11           0.0.0.52/30          0x00000034    2:1(1) 3:1(3)
12           0.0.0.48/30          0x00000030    3:1(1) 4:1(3)
13           0.0.0.44/30          0x0000002c    1:1(4) 1:2(0)
14           0.0.0.40/30          0x00000028    2:1(4) 2:2(0)

```

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

142.390402454 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 81.973728733 SUCCESS
170.383728746 [ sid 1 start 152.101513593 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 18.282215153 SUCCESS
537.584524454 [ sid 2 start 177.667819404 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 359.91670505 SUCCESS
778.484971672 [ sid 3 start 579.681532947 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 198.803438725 SUCCESS
823.873035669 [ sid 4 start 799.494006409 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 24.37902926 SUCCESS
1124.986383769 [ sid 5 start 1100.608741532 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 24.377642237 SUCCESS
2574.096932463 [ sid 6 start 1213.007153423 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1361.08977904 SUCCESS
3056.033213306 [ sid 7 start 2623.318071324 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 432.715141982 SUCCESS
6122.671524877 [ sid 8 start 3090.520914188 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 3032.150610689 SUCCESS
6168.43385328 [ sid 9 start 6150.152031804 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 18.281821476 SUCCESS
6273.371406193 [ sid 10 start 6205.357243169 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 68.014163024 SUCCESS
6377.162468419 [ sid 11 start 6333.867158965 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 43.295309454 SUCCESS
7416.022641846 [ sid 12 start 6534.090221156 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 881.93242069 SUCCESS

```

```

8022.342358384 [ sid 13 start 7430.448146206 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 591.894212178 SUCCESS
9181.322579755 [ sid 14 start 8023.560022845 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 1157.76255691 SUCCESS
9360.126008946 [ sid 15 start 9215.126307561 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 144.999701385 SUCCESS
10349.461618153 [ sid 16 start 9995.619690656 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 353.841927497 SUCCESS
11089.617894024 [ sid 17 start 10367.592274338 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 27 total: 145762B seconds: 722.025619686 SUCCESS
11943.634196861 [ sid 18 start 11148.008196215 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 206518B seconds: 795.626000646 SUCCESS
12308.830146821 [ sid 19 start 11975.221654027 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 8 total: 95428B seconds: 333.608492794 SUCCESS
13610.525404576 [ sid 20 start 12349.614048471 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 26 total: 395033B seconds: 1260.911356105 SUCCESS
14140.074524931 [ sid 21 start 13886.944783564 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 253.129741367 SUCCESS
14627.550095806 [ sid 22 start 14364.406315149 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 263.143780657 SUCCESS
14729.905129787 [ sid 23 start 14711.623570762 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 2369B seconds: 18.281559025 SUCCESS
14896.499819665 [ sid 24 start 14878.217725057 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3071B seconds: 18.282094608 SUCCESS
15282.508585861 [ sid 25 start 14993.41679039 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 10 total: 83791B seconds: 289.091795471 SUCCESS
16825.874617534 [ sid 26 start 15532.592203732 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 1293.282413802 SUCCESS
17229.782413279 [ sid 27 start 16873.72827959 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 6 total: 28005B seconds: 356.054133689 SUCCESS
18229.539193545 [ sid 28 start 17282.711907981 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 946.827285564 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 343405 events, 1719 ms, 209 Kevt/s
-----

```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1      --- Loc-RIB at bgp@5:1:
~# 5:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2                  2:1(2)          -         -         - 2
~# 5:1 | *> 3                  3:1(2)          -         -         - 3
~# 5:1 | *> 4                  4:1(2)          -         -         - 4
~# 5:1 | *> 1                  1:1(2)          -         -         - 1
~# 5:1 | *> 5                  self            -         -         - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1      --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                  5:1(2)          -        100        - 5 2
~# 1:1 | *> 3                  5:1(2)          -        100        - 5 3
~# 1:1 | *> 4                  5:1(2)          -        100        - 5 4
~# 1:1 | *> 1                  self            -         -         - i
~# 1:1 | *> 5                  5:1(2)          -        100        - 5

```

```

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 4:1  | *>  2                3:1 (1)          -      100   - 3 2
~# 4:1  | *>  3                3:1 (1)          -      100   - 3
~# 4:1  | *>  4                self             -      -     - i
~# 4:1  | *>  1                3:1 (1)          -      100   - 3 2 1
~# 4:1  | *>  5                3:1 (1)          -      100   - 3 5

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 3:1  | *>  2                2:1 (1)          -      -     - 2
~# 3:1  | *>  3                self             -      -     - i
~# 3:1  | *>  4                4:1 (3)          -      -     - 4
~# 3:1  | *>  1                2:1 (1)          -      -     - 2 1
~# 3:1  | *>  5                5:1 (4)          -      -     - 5

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  2                self             -      -     - i
~# 2:1  | *>  3                3:1 (3)          -      -     - 3
~# 2:1  | *>  4                3:1 (3)          -      -     - 3 4
~# 2:1  | *>  1                1:1 (3)          -      -     - 1
~# 2:1  | *>  5                5:1 (3)          -      -     - 5

```

#### 1.4. BGP-C2 EN T3

**Tabla 7.** Paquetes Perdidos vs Tasa de Perdida en la Ruta3. Escenario 1. BGP-C2 en t3

P. Recibidos	P. Perdidos	Tasa de Perdidas
60	0	0
58	2	0.033333333
57	3	0.05
56	4	0.066666667
48	12	0.2
44	16	0.266666667
29	31	0.516666667

**Tabla 8. Bytes Perdidos vs Tasa de Perdida en la Ruta3. Escenario 1. BGP-C2 en t3**

B. Recibidos	B. Perdidos	Tasa de Perdida
8,746,505	0	0
8,609,218	137,287	0.015696212
8,395,042	351,463	0.04018325
7,804,402	942,103	0.107711938
5,031,079	3,715,426	0.424789787
3,131,641	5,614,864	0.641955158
2,784,804	5,961,701	0.681609511

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/25      0x00000000
0            0.0.0.32/29      0x00000020   5
0/0         0.0.0.32/30      0x00000020
1           0.0.0.24/29      0x00000018   1
1/0         0.0.0.24/30      0x00000018
2           0.0.0.16/29      0x00000010   4
2/0         0.0.0.16/30      0x00000010
3           0.0.0.8/29       0x00000008   3
3/0         0.0.0.8/30       0x00000008
4           0.0.0.0/29       0x00000000   2
4/0         0.0.0.0/30       0x00000000
5           0.0.0.76/30      0x0000004c   5:1(1) 4:1(2)
6           0.0.0.72/30      0x00000048   5:1(2) 1:1(2)
7           0.0.0.68/30      0x00000044   5:1(3) 2:1(2)
8           0.0.0.64/30      0x00000040   5:1(4) 3:1(2)
9           0.0.0.60/30      0x0000003c   1:1(1) 4:1(1)
10          0.0.0.56/30      0x00000038   1:1(3) 2:1(3)
11          0.0.0.52/30      0x00000034   2:1(1) 3:1(3)
12          0.0.0.48/30      0x00000030   3:1(1) 4:1(3)
13          0.0.0.44/30      0x0000002c   1:1(4) 1:2(0)
14          0.0.0.40/30      0x00000028   2:1(4) 2:2(0)

NHI Addr          CIDR Level          IP Address Block          % util
--              --              0.0.0.0/25              64.0625
1                1                0.0.0.24/29              75.0
2                4                0.0.0.0/29              75.0
3                3                0.0.0.8/29              75.0
4                2                0.0.0.16/29             75.0
5                0                0.0.0.32/29             75.0

```

```
**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

94.800152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 34.383478446 SUCCESS
104.94731332 [ sid 1 start 104.511263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.436050014 SUCCESS
292.104442876 [ sid 2 start 112.231403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 179.873038898 SUCCESS
384.143614781 [ sid 3 start 334.201451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 49.942163412 SUCCESS
405.737300552 [ sid 4 start 405.152649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.584651034 SUCCESS
683.056270426 [ sid 5 start 682.473006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.583264011 SUCCESS
1477.520670486 [ sid 6 start 771.07704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 706.443630406 SUCCESS
1774.901917531 [ sid 7 start 1526.741809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 248.160108184 SUCCESS
3214.203894178 [ sid 8 start 1809.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1404.814275765 SUCCESS
3242.120057442 [ sid 9 start 3241.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.435656337 SUCCESS
3311.365280077 [ sid 10 start 3279.043447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 32.321832746 SUCCESS
3373.515211475 [ sid 11 start 3371.861032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 1.654178626 SUCCESS
3899.221282226 [ sid 12 start 3530.442964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 368.778318014 SUCCESS
4434.155714123 [ sid 13 start 3913.646786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 520.508927537 SUCCESS
5062.832395373 [ sid 14 start 4435.373378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 627.459016789 SUCCESS
5134.55415003 [ sid 15 start 5096.636123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 37.918026851 SUCCESS
5927.58263393 [ sid 16 start 5770.04783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 157.53480219 SUCCESS
6078.102927465 [ sid 17 start 5945.713290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 132.38963735 SUCCESS
6597.856187352 [ sid 18 start 6136.493229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 461.362957696 SUCCESS
6760.356452397 [ sid 19 start 6629.443644518 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 130.912807879 SUCCESS
7328.06216496 [ sid 20 start 6801.140354047 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 526.921810913 SUCCESS
7613.142692886 [ sid 21 start 7604.481543948 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 8.661148938 SUCCESS
```

7975.693954223 [ sid 22 start 7837.474483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 138.219471119 SUCCESS  
8060.202823065 [ sid 23 start 8059.767429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.435393886 SUCCESS  
8208.951347804 [ sid 24 start 8208.515418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.435929469 SUCCESS  
8350.351971879 [ sid 25 start 8305.868318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 44.48365335 SUCCESS  
9226.892712631 [ sid 26 start 8600.43558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 626.457122881 SUCCESS  
9499.929102694 [ sid 27 start 9274.746374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 225.182728007 SUCCESS  
10058.908491334 [ sid 28 start 9552.858597396 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 506.049893938 SUCCESS  
11216.945491939 [ sid 29 start 10158.780923066 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1058.164568873 SUCCESS  
11369.349064599 [ sid 30 start 11249.757778918 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 119.591285681 SUCCESS  
11526.663794312 [ sid 31 start 11384.326812982 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 142.33698133 SUCCESS  
11755.262422504 [ sid 32 start 11553.077587468 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 202.184835036 SUCCESS  
12208.201027417 [ sid 33 start 11765.945056407 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 442.25597101 SUCCESS  
12679.999073189 [ sid 34 start 12231.943843716 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 448.055229473 SUCCESS  
12858.729684917 [ sid 35 start 12850.580606056 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 8.149078861 SUCCESS  
13103.636026583 [ sid 36 start 12957.227497518 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 146.408529065 SUCCESS  
13326.278451047 [ sid 37 start 13137.862338285 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 188.416112762 SUCCESS  
13474.774174039 [ sid 38 start 13472.814159191 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 1.960014848 SUCCESS  
13475.949152646 [ sid 39 start 13475.512937837 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3445B seconds: 0.436214809 SUCCESS  
13569.863871141 [ sid 40 start 13526.044501217 ] clnt 1:2 srv 2:2(0) #pages:  
2 #objects: 4 total: 30841B seconds: 43.819369924 SUCCESS  
13620.541889187 [ sid 41 start 13620.105979554 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 0.435909633 SUCCESS  
13663.614506356 [ sid 42 start 13657.227142326 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 6.38736403 SUCCESS  
13684.104000145 [ sid 43 start 13683.04433237 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 1.059667775 SUCCESS  
14575.427308952 [ sid 44 start 13780.981127974 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 794.446180978 SUCCESS  
14834.465832084 [ sid 45 start 14668.847982012 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 165.617850072 SUCCESS  
15327.325932917 [ sid 46 start 15012.049631871 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 315.276301046 SUCCESS  
15553.876380881 [ sid 47 start 15548.884887918 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 4.991492963 SUCCESS  
16295.136855298 [ sid 48 start 15627.129000114 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 668.007855184 SUCCESS  
16724.431076412 [ sid 49 start 16429.544105598 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 294.886970814 SUCCESS

```

17195.683216382 [ sid 50 start 17023.465500398 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 172.217715984 SUCCESS
17317.688070537 [ sid 51 start 17316.496252431 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 1.191818106 SUCCESS
17423.655816769 [ sid 52 start 17412.152597351 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 11.503219418 SUCCESS
17471.192331809 [ sid 53 start 17470.113031413 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.079300396 SUCCESS
17993.997893051 [ sid 54 start 17506.038225153 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 487.959667898 SUCCESS
17997.449228031 [ sid 55 start 17995.1816017 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 3 total: 21543B seconds: 2.267626331 SUCCESS
19348.972143265 [ sid 56 start 18023.443702843 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1325.528440422 SUCCESS
19694.843640856 [ sid 57 start 19383.850901789 ] clnt 1:2 srv 2:2(0) #pages:
7 #objects: 9 total: 74123B seconds: 310.992739067 SUCCESS
19897.792217923 [ sid 58 start 19751.807631779 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 9 total: 59898B seconds: 145.984586144 SUCCESS
19918.896662159 [ sid 59 start 19918.460583917 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3266B seconds: 0.436078242 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 379670 events, 2031 ms, 192 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                  2:1(2)          -      -      - 2
~# 5:1    | *> 3                  3:1(2)          -      -      - 3
~# 5:1    | *> 4                  4:1(2)          -      -      - 4
~# 5:1    | *> 1                  1:1(2)          -      -      - 1
~# 5:1    | *> 5                  self            -      -      - i

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                  4:1(1)          -      100     - 4 3 2
~# 1:1    | *> 3                  4:1(1)          -      100     - 4 3
~# 1:1    | *> 4                  4:1(1)          -      100     - 4
~# 1:1    | *> 1                  self            -      -      - i
~# 1:1    | *> 5                  4:1(1)          -      100     - 4 5

```

```

.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                  3:1(1)          -      -      - 3 2
~# 4:1    | *> 3                  3:1(1)          -      -      - 3
~# 4:1    | *> 4                  self            -      -      - i
~# 4:1    | *> 1                  1:1(1)          -      -      - 1
~# 4:1    | *> 5                  5:1(1)          -      -      - 5

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)          -      -      - 2
~# 3:1  | *> 3                self              -      -      - i
~# 3:1  | *> 4                4:1 (3)          -      -      - 4
~# 3:1  | *> 1                2:1 (1)          -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)          -      -      - 5

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self              -      -      - i
~# 2:1  | *> 3                3:1 (3)          -      -      - 3
~# 2:1  | *> 4                3:1 (3)          -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)          -      -      - 1
~# 2:1  | *> 5                5:1 (3)          -      -      - 5

```

```

-----
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|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)



NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

95.280152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 34.863478446 SUCCESS
105.60731332 [ sid 1 start 104.991263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.616050014 SUCCESS
293.904442876 [ sid 2 start 112.891403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 181.013038898 SUCCESS
387.383614781 [ sid 3 start 336.001451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 51.382163412 SUCCESS
409.217300552 [ sid 4 start 408.392649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.824651034 SUCCESS
686.776270426 [ sid 5 start 685.953006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.823264011 SUCCESS
1487.720670486 [ sid 6 start 774.79704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 712.923630406 SUCCESS
1786.901917531 [ sid 7 start 1536.941809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 249.960108184 SUCCESS
3241.203894178 [ sid 8 start 1821.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1419.814275765 SUCCESS
3269.300057442 [ sid 9 start 3268.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.615656337 SUCCESS
3338.905280077 [ sid 10 start 3306.223447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 32.681832746 SUCCESS
3401.475211475 [ sid 11 start 3399.401032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 2.074178626 SUCCESS
3931.681327239 [ sid 12 start 3558.402964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 373.278363027 SUCCESS
4467.335759136 [ sid 13 start 3946.106831599 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 521.228927537 SUCCESS
5100.992440386 [ sid 14 start 4468.553423597 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 632.439016789 SUCCESS
5173.794195043 [ sid 15 start 5134.796168192 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 38.998026851 SUCCESS
5968.802678943 [ sid 16 start 5809.287876753 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 159.51480219 SUCCESS
6124.962972478 [ sid 17 start 5986.933335128 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 138.02963735 SUCCESS
6647.596232365 [ sid 18 start 6183.353274669 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 464.242957696 SUCCESS

```

6811.95649741 [ sid 19 start 6679.183689531 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 132.772807879 SUCCESS  
7386.082209973 [ sid 20 start 6852.74039906 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 533.341810913 SUCCESS  
7673.382737899 [ sid 21 start 7662.501588961 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 10.881148938 SUCCESS  
8037.193999236 [ sid 22 start 7897.714528117 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 139.479471119 SUCCESS  
8121.882868078 [ sid 23 start 8121.267474192 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.615393886 SUCCESS  
8270.811392817 [ sid 24 start 8270.195463348 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.615929469 SUCCESS  
8414.372016892 [ sid 25 start 8367.728363542 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 46.64365335 SUCCESS  
9297.392757644 [ sid 26 start 8664.455634763 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 632.937122881 SUCCESS  
9571.749147707 [ sid 27 start 9345.2464197 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 226.502728007 SUCCESS  
10134.928536347 [ sid 28 start 9624.678642409 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 510.249893938 SUCCESS  
11302.025536952 [ sid 29 start 10234.800968079 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1067.224568873 SUCCESS  
11456.229109612 [ sid 30 start 11334.837823931 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 121.391285681 SUCCESS  
11614.803839325 [ sid 31 start 11471.206857995 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 143.59698133 SUCCESS  
11845.442467517 [ sid 32 start 11641.217632481 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 204.224835036 SUCCESS  
12303.60107243 [ sid 33 start 11856.12510142 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 447.47597101 SUCCESS  
12782.119118202 [ sid 34 start 12327.343888729 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 454.775229473 SUCCESS  
12962.94972993 [ sid 35 start 12952.700651069 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 10.249078861 SUCCESS  
13209.836071596 [ sid 36 start 13061.447542531 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 148.388529065 SUCCESS  
13442.49849606 [ sid 37 start 13244.062383298 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 198.436112762 SUCCESS  
13591.474219052 [ sid 38 start 13589.034204204 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 2.440014848 SUCCESS  
13592.829197659 [ sid 39 start 13592.21298285 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.616214809 SUCCESS  
13687.643916154 [ sid 40 start 13642.92454623 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 44.719369924 SUCCESS  
13738.5019342 [ sid 41 start 13737.886024567 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 0.615909633 SUCCESS  
13782.834551369 [ sid 42 start 13775.187187339 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 7.64736403 SUCCESS  
13803.684045158 [ sid 43 start 13802.264377383 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 1.419667775 SUCCESS  
14719.307353965 [ sid 44 start 13900.561172987 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 818.746180978 SUCCESS  
14980.745877097 [ sid 45 start 14812.728027025 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 168.017850072 SUCCESS  
15478.58597793 [ sid 46 start 15158.329676884 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 320.256301046 SUCCESS

```

15706.636425894 [ sid 47 start 15700.144932931 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 6.491492963 SUCCESS
16450.596900311 [ sid 48 start 15779.889045127 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 670.707855184 SUCCESS
16883.131121425 [ sid 49 start 16585.004150611 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 298.126970814 SUCCESS
17356.783261395 [ sid 50 start 17182.165545411 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 174.617715984 SUCCESS
17479.20811555 [ sid 51 start 17477.596297444 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 1.611818106 SUCCESS
17587.995861782 [ sid 52 start 17573.672642364 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 14.323219418 SUCCESS
17635.892376822 [ sid 53 start 17634.453076426 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 1.439300396 SUCCESS
18166.677938064 [ sid 54 start 17670.738270166 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 495.939667898 SUCCESS
18170.849273044 [ sid 55 start 18167.861646713 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 2.987626331 SUCCESS
19529.392188278 [ sid 56 start 18196.843747856 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1332.548440422 SUCCESS
19877.303685869 [ sid 57 start 19564.270946802 ] clnt 1:2 srv 2:2(0) #pages:
7 #objects: 9 total: 74123B seconds: 313.032739067 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 379617 events, 1968 ms, 199 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)          -      -      - 2
~# 5:1    | *> 3                3:1(2)          -      -      - 3
~# 5:1    | *> 4                4:1(2)          -      -      - 4
~# 5:1    | *> 1                1:1(2)          -      -      - 1
~# 5:1    | *> 5                self            -      -      - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                4:1(1)          -      100     - 4 3 2
~# 1:1    | *> 3                4:1(1)          -      100     - 4 3
~# 1:1    | *> 4                4:1(1)          -      100     - 4
~# 1:1    | *> 1                self            -      -      - i
~# 1:1    | *> 5                4:1(1)          -      100     - 4 5
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                3:1(1)          -      -      - 3 2
~# 4:1    | *> 3                3:1(1)          -      -      - 3
~# 4:1    | *> 4                self            -      -      - i
~# 4:1    | *> 1                1:1(1)          -      -      - 1
~# 4:1    | *> 5                5:1(1)          -      -      - 5

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      extHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)          -      -      - 2
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 4                4:1(3)         -      -      - 4
~# 3:1  | *> 1                2:1(1)         -      -      - 2 1
~# 3:1  | *> 5                5:1(4)         -      -      - 5
.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 3                3:1(3)         -      -      - 3
~# 2:1  | *> 4                3:1(3)         -      -      - 3 4
~# 2:1  | *> 1                1:1(3)         -      -      - 1
~# 2:1  | *> 5                5:1(3)         -      -      - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.234 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

96.080152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 35.663478446 SUCCESS
106.70731332 [ sid 1 start 105.791263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.916050014 SUCCESS
296.904487889 [ sid 2 start 113.991403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 182.913083911 SUCCESS
392.783659794 [ sid 3 start 339.001496382 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 53.782163412 SUCCESS
415.017345565 [ sid 4 start 413.792694531 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.224651034 SUCCESS
692.976315439 [ sid 5 start 691.753051428 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.223264011 SUCCESS
1504.720715499 [ sid 6 start 780.997085093 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 723.723630406 SUCCESS
1806.901962544 [ sid 7 start 1553.94185436 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 252.960108184 SUCCESS
3286.203939191 [ sid 8 start 1841.389663426 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1444.814275765 SUCCESS
3314.600102455 [ sid 9 start 3313.684446118 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.915656337 SUCCESS
3384.80532509 [ sid 10 start 3351.523492344 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 33.281832746 SUCCESS
3448.075256488 [ sid 11 start 3445.301077862 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 2.774178626 SUCCESS
3985.781327239 [ sid 12 start 3605.003009225 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 380.778318014 SUCCESS
4522.635759136 [ sid 13 start 4000.206831599 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 522.428927537 SUCCESS
5164.592440386 [ sid 14 start 4523.853423597 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 640.739016789 SUCCESS
5239.194195043 [ sid 15 start 5198.396168192 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 40.798026851 SUCCESS
6037.502678943 [ sid 16 start 5874.687876753 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 162.81480219 SUCCESS
6203.062972478 [ sid 17 start 6055.633335128 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 147.42963735 SUCCESS
6730.496232365 [ sid 18 start 6261.453274669 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 469.042957696 SUCCESS

```

6897.95649741 [ sid 19 start 6762.083689531 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 135.872807879 SUCCESS  
7482.782209973 [ sid 20 start 6938.74039906 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 544.041810913 SUCCESS  
7773.782737899 [ sid 21 start 7759.201588961 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 14.581148938 SUCCESS  
8139.693999236 [ sid 22 start 7998.114528117 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 141.579471119 SUCCESS  
8224.682868078 [ sid 23 start 8223.767474192 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.915393886 SUCCESS  
8373.911392817 [ sid 24 start 8372.995463348 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.915929469 SUCCESS  
8521.072016892 [ sid 25 start 8470.828363542 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 50.24365335 SUCCESS  
9414.892757644 [ sid 26 start 8771.155634763 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 643.737122881 SUCCESS  
9691.449147707 [ sid 27 start 9462.7464197 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 228.702728007 SUCCESS  
10261.628536347 [ sid 28 start 9744.378642409 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 517.249893938 SUCCESS  
11443.825536952 [ sid 29 start 10361.500968079 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1082.324568873 SUCCESS  
11601.029109612 [ sid 30 start 11476.637823931 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 124.391285681 SUCCESS  
11761.703839325 [ sid 31 start 11616.006857995 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 145.69698133 SUCCESS  
11995.742467517 [ sid 32 start 11788.117632481 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 207.624835036 SUCCESS  
12462.60107243 [ sid 33 start 12006.42510142 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 456.17597101 SUCCESS  
12952.319118202 [ sid 34 start 12486.343888729 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 465.975229473 SUCCESS  
13136.64972993 [ sid 35 start 13122.900651069 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 13.749078861 SUCCESS  
13386.836071596 [ sid 36 start 13235.147542531 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 151.688529065 SUCCESS  
13636.19849606 [ sid 37 start 13421.062383298 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 215.136112762 SUCCESS  
13785.974219052 [ sid 38 start 13782.734204204 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 3.240014848 SUCCESS  
13787.629197659 [ sid 39 start 13786.71298285 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.916214809 SUCCESS  
13883.943916154 [ sid 40 start 13837.72454623 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 46.219369924 SUCCESS  
13935.1019342 [ sid 41 start 13934.186024567 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 0.915909633 SUCCESS  
13981.534551369 [ sid 42 start 13971.787187339 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 9.74736403 SUCCESS  
14002.984045158 [ sid 43 start 14000.964377383 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 2.019667775 SUCCESS  
14959.107353965 [ sid 44 start 14099.861172987 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 859.246180978 SUCCESS  
15224.545877097 [ sid 45 start 15052.528027025 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 172.017850072 SUCCESS  
15730.68597793 [ sid 46 start 15402.129676884 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 328.556301046 SUCCESS

```

15961.236425894 [ sid 47 start 15952.244932931 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 8.991492963 SUCCESS
16709.696900311 [ sid 48 start 16034.489045127 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 675.207855184 SUCCESS
17147.631121425 [ sid 49 start 16844.104150611 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 303.526970814 SUCCESS
17625.283261395 [ sid 50 start 17446.665545411 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 178.617715984 SUCCESS
17748.40811555 [ sid 51 start 17746.096297444 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 2.311818106 SUCCESS
17861.895861782 [ sid 52 start 17842.872642364 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 19.023219418 SUCCESS
17910.392376822 [ sid 53 start 17908.353076426 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 2.039300396 SUCCESS
18454.477938064 [ sid 54 start 17945.238270166 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 509.239667898 SUCCESS
18459.849273044 [ sid 55 start 18455.661646713 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 4.187626331 SUCCESS
19830.092188278 [ sid 56 start 18485.843747856 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1344.248440422 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 379014 events, 1984 ms, 197 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                  2:1(2)          -      -      - 2
~# 5:1    | *> 3                  3:1(2)          -      -      - 3
~# 5:1    | *> 4                  4:1(2)          -      -      - 4
~# 5:1    | *> 1                  1:1(2)          -      -      - 1
~# 5:1    | *> 5                  self            -      -      - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                  4:1(1)          -      100     - 4 3 2
~# 1:1    | *> 3                  4:1(1)          -      100     - 4 3
~# 1:1    | *> 4                  4:1(1)          -      100     - 4
~# 1:1    | *> 1                  self            -      -      - i
~# 1:1    | *> 5                  4:1(1)          -      100     - 4 5
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      extHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                  3:1(1)          -      -      - 3 2
~# 4:1    | *> 3                  3:1(1)          -      -      - 3
~# 4:1    | *> 4                  self            -      -      - i
~# 4:1    | *> 1                  1:1(1)          -      -      - 1
~# 4:1    | *> 5                  5:1(1)          -      -      - 5

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)         -         -         - 2
~# 3:1  | *> 3                self            -         -         - i
~# 3:1  | *> 4                4:1 (3)         -         -         - 4
~# 3:1  | *> 1                2:1 (1)         -         -         - 2 1
~# 3:1  | *> 5                5:1 (4)         -         -         - 5

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -         -         - i
~# 2:1  | *> 3                3:1 (3)         -         -         - 3
~# 2:1  | *> 4                3:1 (3)         -         -         - 3 4
~# 2:1  | *> 1                1:1 (3)         -         -         - 1
~# 2:1  | *> 5                5:1 (3)         -         -         - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
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|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1 (1) 4:1 (2)
6	0.0.0.72/30	0x00000048	5:1 (2) 1:1 (2)
7	0.0.0.68/30	0x00000044	5:1 (3) 2:1 (2)
8	0.0.0.64/30	0x00000040	5:1 (4) 3:1 (2)
9	0.0.0.60/30	0x0000003c	1:1 (1) 4:1 (1)
10	0.0.0.56/30	0x00000038	1:1 (3) 2:1 (3)
11	0.0.0.52/30	0x00000034	2:1 (1) 3:1 (3)
12	0.0.0.48/30	0x00000030	3:1 (1) 4:1 (3)
13	0.0.0.44/30	0x0000002c	1:1 (4) 1:2 (0)
14	0.0.0.40/30	0x00000028	2:1 (4) 2:2 (0)



NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.234 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
100.880152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 40.463478446 SUCCESS
113.30731332 [ sid 1 start 110.591263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 2.716050014 SUCCESS
314.904442876 [ sid 2 start 120.591403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 194.313038898 SUCCESS
425.183614781 [ sid 3 start 357.001451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 68.182163412 SUCCESS
449.817300552 [ sid 4 start 446.192649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 3.624651034 SUCCESS
730.176270426 [ sid 5 start 726.553006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 3.623264011 SUCCESS
1606.720670486 [ sid 6 start 818.19704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 788.523630406 SUCCESS
1926.901917531 [ sid 7 start 1655.941809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 270.960108184 SUCCESS
3556.203894178 [ sid 8 start 1961.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1594.814275765 SUCCESS
3586.400057442 [ sid 9 start 3583.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 2.715656337 SUCCESS
3660.205280077 [ sid 10 start 3623.323447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 36.881832746 SUCCESS
3727.675211475 [ sid 11 start 3720.701032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 6.974178626 SUCCESS
4310.381282226 [ sid 12 start 3884.602964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 425.778318014 SUCCESS
4854.435714123 [ sid 13 start 4324.806786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 529.628927537 SUCCESS
5546.192395373 [ sid 14 start 4855.653378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 690.539016789 SUCCESS
5631.59415003 [ sid 15 start 5579.996123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 51.598026851 SUCCESS
6449.70263393 [ sid 16 start 6267.08783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 182.61480219 SUCCESS
6671.662927465 [ sid 17 start 6467.833290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 203.82963735 SUCCESS
7227.896187352 [ sid 18 start 6730.053229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 497.842957696 SUCCESS
7413.956452397 [ sid 19 start 7259.483644518 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 154.472807879 SUCCESS

```

8062.98216496 [ sid 20 start 7454.740354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 608.241810913 SUCCESS  
8376.182692886 [ sid 21 start 8339.401543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 36.781148938 SUCCESS  
8754.693954223 [ sid 22 start 8600.514483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 154.179471119 SUCCESS  
8841.482823065 [ sid 23 start 8838.767429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 2.715393886 SUCCESS  
8992.511347804 [ sid 24 start 8989.795418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 2.715929469 SUCCESS  
9161.271971879 [ sid 25 start 9089.428318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 71.84365335 SUCCESS  
10119.892712631 [ sid 26 start 9411.35558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 708.537122881 SUCCESS  
10409.649102694 [ sid 27 start 10167.746374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 241.902728007 SUCCESS  
11021.828491334 [ sid 28 start 10462.578597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 559.249893938 SUCCESS  
12294.625491939 [ sid 29 start 11121.700923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1172.924568873 SUCCESS  
12469.829064599 [ sid 30 start 12327.437778918 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 142.391285681 SUCCESS  
12643.103794312 [ sid 31 start 12484.806812982 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 158.29698133 SUCCESS  
12897.542422504 [ sid 32 start 12669.517587468 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 228.024835036 SUCCESS  
13416.601027417 [ sid 33 start 12908.225056407 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 508.37597101 SUCCESS  
13973.519073189 [ sid 34 start 13440.343843716 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 533.175229473 SUCCESS  
14178.849684917 [ sid 35 start 14144.100606056 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 34.749078861 SUCCESS  
14448.836026583 [ sid 36 start 14277.347497518 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 171.488529065 SUCCESS  
14798.398451047 [ sid 37 start 14483.062338285 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 315.336112762 SUCCESS  
14952.974174039 [ sid 38 start 14944.934159191 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 8.040014848 SUCCESS  
14956.429152646 [ sid 39 start 14953.712937837 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 2.716214809 SUCCESS  
15061.743871141 [ sid 40 start 15006.524501217 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 55.219369924 SUCCESS  
15114.701889187 [ sid 41 start 15111.985979554 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 2.715909633 SUCCESS  
15173.734506356 [ sid 42 start 15151.387142326 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 22.34736403 SUCCESS  
15198.784000145 [ sid 43 start 15193.16433237 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 5.619667775 SUCCESS  
16397.907308952 [ sid 44 start 15295.661127974 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 1102.246180978 SUCCESS  
16687.345832084 [ sid 45 start 16491.327982012 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 196.017850072 SUCCESS  
17243.285932917 [ sid 46 start 16864.929631871 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 22 total: 394361B seconds: 378.356301046 SUCCESS  
17488.836380881 [ sid 47 start 17464.844887918 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 7 total: 39661B seconds: 23.991492963 SUCCESS

```

18264.296855298 [ sid 48 start 17562.089000114 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 702.207855184 SUCCESS
18734.631076412 [ sid 49 start 18398.704105598 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 335.926970814 SUCCESS
19236.283216382 [ sid 50 start 19033.665500398 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 202.617715984 SUCCESS
19363.608070537 [ sid 51 start 19357.096252431 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 6.511818106 SUCCESS
19505.295816769 [ sid 52 start 19458.072597351 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 47.223219418 SUCCESS
19557.392331809 [ sid 53 start 19551.753031413 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 5.639300396 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 378351 events, 2000 ms, 195 Kevt/s
-----
```

```

.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1    --- Loc-RIB at bgp@5:1:
~# 5:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1    | *> 2                2:1(2)          -        -        - 2
~# 5:1    | *> 3                3:1(2)          -        -        - 3
~# 5:1    | *> 4                4:1(2)          -        -        - 4
~# 5:1    | *> 1                1:1(2)          -        -        - 1
~# 5:1    | *> 5                self            -        -        - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      extHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                4:1(1)          -        100      - 4 3 2
~# 1:1    | *> 3                4:1(1)          -        100      - 4 3
~# 1:1    | *> 4                4:1(1)          -        100      - 4
~# 1:1    | *> 1                self            -        -        - i
~# 1:1    | *> 5                4:1(1)          -        100      - 4 5
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1    --- Loc-RIB at bgp@4:1:
~# 4:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1    | *> 2                3:1(1)          -        -        - 3 2
~# 4:1    | *> 3                3:1(1)          -        -        - 3
~# 4:1    | *> 4                self            -        -        - i
~# 4:1    | *> 1                1:1(1)          -        -        - 1
~# 4:1    | *> 5                5:1(1)          -        -        - 5
.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1    | *> 2                2:1(1)          -        -        - 2
~# 3:1    | *> 3                self            -        -        - i
~# 3:1    | *> 4                4:1(3)          -        -        - 4
~# 3:1    | *> 1                2:1(1)          -        -        - 2 1
~# 3:1    | *> 5                5:1(4)          -        -        - 5

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                  self            -      -      - i
~# 2:1  | *> 3                  3:1(3)         -      -      - 3
~# 2:1  | *> 4                  3:1(3)         -      -      - 3 4
~# 2:1  | *> 1                  1:1(3)         -      -      - 1
~# 2:1  | *> 5                  5:1(3)         -      -      - 5

```

```

-----
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|
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|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

```
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

108.880152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 48.463478446 SUCCESS
124.30731332 [ sid 1 start 118.591263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 5.716050014 SUCCESS
344.904442876 [ sid 2 start 131.591403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 213.313038898 SUCCESS
479.183614781 [ sid 3 start 387.001451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 92.182163412 SUCCESS
507.817300552 [ sid 4 start 500.192649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 7.624651034 SUCCESS
792.176270426 [ sid 5 start 784.553006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 7.623264011 SUCCESS
1776.720670486 [ sid 6 start 880.19704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 896.523630406 SUCCESS
2126.901917531 [ sid 7 start 1825.941809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 300.960108184 SUCCESS
4006.203894178 [ sid 8 start 2161.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1844.814275765 SUCCESS
4039.400057442 [ sid 9 start 4033.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 5.715656337 SUCCESS
4119.205280077 [ sid 10 start 4076.323447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 42.881832746 SUCCESS
4193.675211475 [ sid 11 start 4179.701032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 13.974178626 SUCCESS
4851.381282226 [ sid 12 start 4350.602964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 500.778318014 SUCCESS
5407.435714123 [ sid 13 start 4865.806786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 541.628927537 SUCCESS
6182.192395373 [ sid 14 start 5408.653378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 773.539016789 SUCCESS
6285.59415003 [ sid 15 start 6215.996123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 69.598026851 SUCCESS
7136.70263393 [ sid 16 start 6921.08783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 215.61480219 SUCCESS
7452.662927465 [ sid 17 start 7154.833290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 297.82963735 SUCCESS
8056.896187352 [ sid 18 start 7511.053229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 545.842957696 SUCCESS
8273.956452397 [ sid 19 start 8088.483644518 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 185.472807879 SUCCESS
9029.98216496 [ sid 20 start 8314.740354047 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 715.241810913 SUCCESS
9380.182692886 [ sid 21 start 9306.401543948 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 73.781148938 SUCCESS
9779.693954223 [ sid 22 start 9604.514483104 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 175.179471119 SUCCESS
9869.482823065 [ sid 23 start 9863.767429179 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 5.715393886 SUCCESS
10023.511347804 [ sid 24 start 10017.795418335 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3071B seconds: 5.715929469 SUCCESS
```

```

10228.271971879 [ sid 25 start 10120.428318529 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 107.84365335 SUCCESS
11294.892712631 [ sid 26 start 10478.35558975 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 816.537122881 SUCCESS
11606.649102694 [ sid 27 start 11342.746374687 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 6 total: 28005B seconds: 263.902728007 SUCCESS
12288.828491334 [ sid 28 start 11659.578597396 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 629.249893938 SUCCESS
13712.625491939 [ sid 29 start 12388.700923066 ] clnt 1:2 srv 2:2(0) #pages:
23 #objects: 39 total: 787096B seconds: 1323.924568873 SUCCESS
13917.829064599 [ sid 30 start 13745.437778918 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 172.391285681 SUCCESS
14112.103794312 [ sid 31 start 13932.806812982 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 179.29698133 SUCCESS
14400.542422504 [ sid 32 start 14138.517587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 262.024835036 SUCCESS
15006.601027417 [ sid 33 start 14411.225056407 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 595.37597101 SUCCESS
15675.519073189 [ sid 34 start 15030.343843716 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 645.175229473 SUCCESS
15915.849684917 [ sid 35 start 15846.100606056 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 69.749078861 SUCCESS
16218.836026583 [ sid 36 start 16014.347497518 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 204.488529065 SUCCESS
16735.398451047 [ sid 37 start 16253.062338285 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 482.336112762 SUCCESS
16897.974174039 [ sid 38 start 16881.934159191 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 16.040014848 SUCCESS
16904.429152646 [ sid 39 start 16898.712937837 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 5.716214809 SUCCESS
17024.743871141 [ sid 40 start 16954.524501217 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 70.219369924 SUCCESS
17080.701889187 [ sid 41 start 17074.985979554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 5.715909633 SUCCESS
17160.734506356 [ sid 42 start 17117.387142326 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 43.34736403 SUCCESS
17191.784000145 [ sid 43 start 17180.16433237 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 11.619667775 SUCCESS
18795.907353965 [ sid 44 start 17288.661127974 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 1507.246225991SUCCESS
19125.345877097 [ sid 45 start 18889.328027025 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 236.017850072 SUCCESS
19764.28597793 [ sid 46 start 19302.929676884 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 461.356301046 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 376082 events, 1890 ms, 207 Kevt/s
-----
```

```

..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i

```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                4:1(1)                -      100      - 4 3 2
~# 1:1  | *> 3                4:1(1)                -      100      - 4 3
~# 1:1  | *> 4                4:1(1)                -      100      - 4
~# 1:1  | *> 1                self                   -      -        - i
~# 1:1  | *> 5                4:1(1)                -      100      - 4 5

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1(1)                -      -        - 3 2
~# 4:1  | *> 3                3:1(1)                -      -        - 3
~# 4:1  | *> 4                self                   -      -        - i
~# 4:1  | *> 1                1:1(1)                -      -        - 1
~# 4:1  | *> 5                5:1(1)                -      -        - 5

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1(1)                -      -        - 2
~# 3:1  | *> 3                self                   -      -        - i
~# 3:1  | *> 4                4:1(3)                -      -        - 4
~# 3:1  | *> 1                2:1(1)                -      -        - 2 1
~# 3:1  | *> 5                5:1(4)                -      -        - 5

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self                   -      -        - i
~# 2:1  | *> 3                3:1(3)                -      -        - 3
~# 2:1  | *> 4                3:1(3)                -      -        - 3 4
~# 2:1  | *> 1                1:1(3)                -      -        - 1
~# 2:1  | *> 5                5:1(3)                -      -        - 5

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.235 seconds

\*\* Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

121.680152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2

#objects: 2 total: 11083B seconds: 61.263478446 SUCCESS

141.90731332 [ sid 1 start 131.391263306 ] clnt 1:2 srv 2:2(0) #pages: 1

#objects: 1 total: 3229B seconds: 10.516050014 SUCCESS

392.904442876 [ sid 2 start 149.191403978 ] clnt 1:2 srv 2:2(0) #pages: 2

#objects: 3 total: 332547B seconds: 243.713038898 SUCCESS

565.583614781 [ sid 3 start 435.001451369 ] clnt 1:2 srv 2:2(0) #pages: 2

#objects: 7 total: 34901B seconds: 130.582163412 SUCCESS

600.617300552 [ sid 4 start 586.592649518 ] clnt 1:2 srv 2:2(0) #pages: 1

#objects: 1 total: 9138B seconds: 14.024651034 SUCCESS

891.376270426 [ sid 5 start 877.353006415 ] clnt 1:2 srv 2:2(0) #pages: 1

#objects: 1 total: 7360B seconds: 14.023264011 SUCCESS

2048.720670486 [ sid 6 start 979.39704008 ] clnt 1:2 srv 2:2(0) #pages: 16

#objects: 32 total: 137513B seconds: 1069.323630406 SUCCESS

2446.901917531 [ sid 7 start 2097.941809347 ] clnt 1:2 srv 2:2(0) #pages: 7

#objects: 9 total: 42462B seconds: 348.960108184 SUCCESS

4726.203894178 [ sid 8 start 2481.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30

#objects: 67 total: 666388B seconds: 2244.814275765 SUCCESS

4764.200057442 [ sid 9 start 4753.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1

#objects: 1 total: 2713B seconds: 10.515656337 SUCCESS



4853.605280077 [ sid 10 start 4801.123447331 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 52.481832746 SUCCESS  
4939.275211475 [ sid 11 start 4914.101032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 25.174178626 SUCCESS  
5716.981282226 [ sid 12 start 5096.202964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 620.778318014 SUCCESS  
6292.235714123 [ sid 13 start 5731.406786586 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 560.828927537 SUCCESS  
7199.792395373 [ sid 14 start 6293.453378584 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 906.339016789 SUCCESS  
7331.99415003 [ sid 15 start 7233.596123179 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 98.398026851 SUCCESS  
8235.90263393 [ sid 16 start 7967.48783174 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 268.41480219 SUCCESS  
8702.262927465 [ sid 17 start 8254.033290115 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 448.22963735 SUCCESS  
9383.296187352 [ sid 18 start 8760.653229656 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 622.642957696 SUCCESS  
9649.956452397 [ sid 19 start 9414.883644518 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 235.072807879 SUCCESS  
10577.18216496 [ sid 20 start 9690.740354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 886.441810913 SUCCESS  
10986.582692886 [ sid 21 start 10853.601543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 132.981148938 SUCCESS  
11419.693954223 [ sid 22 start 11210.914483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 208.779471119 SUCCESS  
11514.282823065 [ sid 23 start 11503.767429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 10.515393886 SUCCESS  
11673.111347804 [ sid 24 start 11662.595418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 10.515929469 SUCCESS  
11935.471971879 [ sid 25 start 11770.028318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 165.44365335 SUCCESS  
13174.892712631 [ sid 26 start 12185.55558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 989.337122881 SUCCESS  
13521.849102694 [ sid 27 start 13222.746374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 299.102728007 SUCCESS  
14316.028491334 [ sid 28 start 13574.778597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 741.249893938 SUCCESS  
15981.425491939 [ sid 29 start 14415.900923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1565.524568873 SUCCESS  
16234.629064599 [ sid 30 start 16014.237778918 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 220.391285681 SUCCESS  
16462.503794312 [ sid 31 start 16249.606812982 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 212.89698133 SUCCESS  
16805.342422504 [ sid 32 start 16488.917587468 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 316.424835036 SUCCESS  
17550.601027417 [ sid 33 start 16816.025056407 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 734.57597101 SUCCESS  
18398.719073189 [ sid 34 start 17574.343843716 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 824.375229473 SUCCESS  
18695.049684917 [ sid 35 start 18569.300606056 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 125.749078861 SUCCESS  
19050.836026583 [ sid 36 start 18793.547497518 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 257.288529065 SUCCESS  
19834.598451047 [ sid 37 start 19085.062338285 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 749.536112762 SUCCESS

```

-----
| 1 timelines, 5 barriers, 358065 events, 1765 ms, 210 Kevt/s
-----
.....
.....      bgp@5:1 wrap-up      .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1  | *> 2                  2:1(2)          -      -      - 2
~# 5:1  | *> 3                  3:1(2)          -      -      - 3
~# 5:1  | *> 4                  4:1(2)          -      -      - 4
~# 5:1  | *> 1                  1:1(2)          -      -      - 1
~# 5:1  | *> 5                  self            -      -      - i
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                  4:1(1)          -      100     - 4 3 2
~# 1:1  | *> 3                  4:1(1)          -      100     - 4 3
~# 1:1  | *> 4                  4:1(1)          -      100     - 4
~# 1:1  | *> 1                  self            -      -      - i
~# 1:1  | *> 5                  4:1(1)          -      100     - 4 5
.....
.....      bgp@4:1 wrap-up      .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                  3:1(1)          -      -      - 3 2
~# 4:1  | *> 3                  3:1(1)          -      -      - 3
~# 4:1  | *> 4                  self            -      -      - i
~# 4:1  | *> 1                  1:1(1)          -      -      - 1
~# 4:1  | *> 5                  5:1(1)          -      -      - 5
.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                  2:1(1)          -      -      - 2
~# 3:1  | *> 3                  self            -      -      - i
~# 3:1  | *> 4                  4:1(3)          -      -      - 4
~# 3:1  | *> 1                  2:1(1)          -      -      - 2 1
~# 3:1  | *> 5                  5:1(4)          -      -      - 5
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                  self            -      -      - i
~# 2:1  | *> 3                  3:1(3)          -      -      - 3
~# 2:1  | *> 4                  3:1(3)          -      -      - 3 4
~# 2:1  | *> 1                  1:1(3)          -      -      - 1
~# 2:1  | *> 5                  5:1(3)          -      -      - 5

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 7 routers and hosts
## Elapsed time: 0.235 seconds
* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

134.480152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 74.063478446 SUCCESS
159.50731332 [ sid 1 start 144.191263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 15.316050014 SUCCESS

```

440.904442876 [ sid 2 start 166.791403978 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 274.113038898 SUCCESS  
651.983614781 [ sid 3 start 483.001451369 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 168.982163412 SUCCESS  
693.417300552 [ sid 4 start 672.992649518 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 20.424651034 SUCCESS  
990.576270426 [ sid 5 start 970.153006415 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 20.423264011 SUCCESS  
2320.720670486 [ sid 6 start 1078.59704008 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 1242.123630406 SUCCESS  
2766.901917531 [ sid 7 start 2369.941809347 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 396.960108184 SUCCESS  
5446.203894178 [ sid 8 start 2801.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 2644.814275765 SUCCESS  
5489.000057442 [ sid 9 start 5473.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 15.315656337 SUCCESS  
5588.005280077 [ sid 10 start 5525.923447331 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 62.081832746 SUCCESS  
5684.875211475 [ sid 11 start 5648.501032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 36.374178626 SUCCESS  
6582.581282226 [ sid 12 start 5841.802964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 740.778318014 SUCCESS  
7177.035714123 [ sid 13 start 6597.006786586 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 580.028927537 SUCCESS  
8217.392395373 [ sid 14 start 7178.253378584 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 1039.139016789 SUCCESS  
8378.39415003 [ sid 15 start 8251.196123179 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 127.198026851 SUCCESS  
9335.10263393 [ sid 16 start 9013.88783174 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 321.21480219 SUCCESS  
9951.862927465 [ sid 17 start 9353.233290115 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 598.62963735 SUCCESS  
10709.696187352 [ sid 18 start 10010.253229656 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 699.442957696 SUCCESS  
11025.956452397 [ sid 19 start 10741.283644518 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 284.672807879 SUCCESS  
12124.38216496 [ sid 20 start 11066.740354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 1057.641810913 SUCCESS  
12592.982692886 [ sid 21 start 12400.801543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 192.181148938 SUCCESS  
13059.693954223 [ sid 22 start 12817.314483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 242.379471119 SUCCESS  
13159.082823065 [ sid 23 start 13143.767429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 15.315393886 SUCCESS  
13322.711347804 [ sid 24 start 13307.395418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 15.315929469 SUCCESS  
13642.671971879 [ sid 25 start 13419.628318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 223.04365335 SUCCESS  
15054.892712631 [ sid 26 start 13892.75558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 1162.137122881 SUCCESS  
15437.049102694 [ sid 27 start 15102.746374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 334.302728007 SUCCESS  
16343.228491334 [ sid 28 start 15489.978597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 853.249893938 SUCCESS  
18250.225491939 [ sid 29 start 16443.100923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1807.124568873 SUCCESS

```

18551.429064599 [ sid 30 start 18283.037778918 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 268.391285681 SUCCESS
18812.903794312 [ sid 31 start 18566.406812982 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 246.49698133 SUCCESS
19210.142422504 [ sid 32 start 18839.317587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 370.824835036 SUCCESS
-----
| 1 timelines, 5 barriers, 352584 events, 1797 ms, 203 Kevt/s
-----
..... bgp@5:1 wrap-up .....
.....
~# 5:1 --- Loc-RIB at bgp@5:1:
~# 5:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 5:1 | *> 2 2:1(2) - - - 2
~# 5:1 | *> 3 3:1(2) - - - 3
~# 5:1 | *> 4 4:1(2) - - - 4
~# 5:1 | *> 1 1:1(2) - - - 1
~# 5:1 | *> 5 self - - - i
..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 4:1(1) - 100 - 4 3 2
~# 1:1 | *> 3 4:1(1) - 100 - 4 3
~# 1:1 | *> 4 4:1(1) - 100 - 4
~# 1:1 | *> 1 self - - - i
~# 1:1 | *> 5 4:1(1) - 100 - 4 5
..... bgp@4:1 wrap-up .....
.....
~# 4:1 --- Loc-RIB at bgp@4:1:
~# 4:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 4:1 | *> 2 3:1(1) - - - 3 2
~# 4:1 | *> 3 3:1(1) - - - 3
~# 4:1 | *> 4 self - - - i
~# 4:1 | *> 1 1:1(1) - - - 1
~# 4:1 | *> 5 5:1(1) - - - 5
..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 2 2:1(1) - - - 2
~# 3:1 | *> 3 self - - - i
~# 3:1 | *> 4 4:1(3) - - - 4
~# 3:1 | *> 1 2:1(1) - - - 2 1
~# 3:1 | *> 5 5:1(4) - - - 5
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 3 3:1(3) - - - 3
~# 2:1 | *> 4 3:1(3) - - - 3 4
~# 2:1 | *> 1 1:1(3) - - - 1
~# 2:1 | *> 5 5:1(3) - - - 5

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
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-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/25	0x00000000	
0	0.0.0.32/29	0x00000020	5
0/0	0.0.0.32/30	0x00000020	
1	0.0.0.24/29	0x00000018	1
1/0	0.0.0.24/30	0x00000018	
2	0.0.0.16/29	0x00000010	4
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.8/29	0x00000008	3
3/0	0.0.0.8/30	0x00000008	
4	0.0.0.0/29	0x00000000	2
4/0	0.0.0.0/30	0x00000000	
5	0.0.0.76/30	0x0000004c	5:1(1) 4:1(2)
6	0.0.0.72/30	0x00000048	5:1(2) 1:1(2)
7	0.0.0.68/30	0x00000044	5:1(3) 2:1(2)
8	0.0.0.64/30	0x00000040	5:1(4) 3:1(2)
9	0.0.0.60/30	0x0000003c	1:1(1) 4:1(1)
10	0.0.0.56/30	0x00000038	1:1(3) 2:1(3)
11	0.0.0.52/30	0x00000034	2:1(1) 3:1(3)
12	0.0.0.48/30	0x00000030	3:1(1) 4:1(3)
13	0.0.0.44/30	0x0000002c	1:1(4) 1:2(0)
14	0.0.0.40/30	0x00000028	2:1(4) 2:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/25	64.0625
1	1	0.0.0.24/29	75.0
2	4	0.0.0.0/29	75.0
3	3	0.0.0.8/29	75.0
4	2	0.0.0.16/29	75.0
5	0	0.0.0.32/29	75.0

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 7 routers and hosts

## Elapsed time: 0.234 seconds

\*\* Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

174.480152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2

#objects: 2 total: 11083B seconds: 114.063478446 SUCCESS

```
214.50731332 [ sid 1 start 184.191263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 30.316050014 SUCCESS
702.057138784 [ sid 2 start 221.791403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 480.265734806 SUCCESS
1043.241439589 [ sid 3 start 744.154147277 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 299.087292312 SUCCESS
1104.67512536 [ sid 4 start 1064.250474326 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 40.424651034 SUCCESS
1421.834095234 [ sid 5 start 1381.410831223 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 40.423264011 SUCCESS
3312.186497814 [ sid 6 start 1509.854864888 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1802.331632926 SUCCESS
3918.473302515 [ sid 7 start 3361.407636675 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 557.06566584 SUCCESS
8080.213711108 [ sid 8 start 3952.961003397 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 4127.252707711 SUCCESS
8138.009874372 [ sid 9 start 8107.694218035 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 30.315656337 SUCCESS
8267.015097007 [ sid 10 start 8174.933264261 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 92.081832746 SUCCESS
8398.885028405 [ sid 11 start 8327.510849779 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 71.374178626 SUCCESS
9782.725232264 [ sid 12 start 8555.812781142 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 1226.912451122 SUCCESS
10437.179664161 [ sid 13 start 9797.150736624 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 640.028927537 SUCCESS
11953.171894595 [ sid 14 start 10438.397328622 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 23 total: 185182B seconds: 1514.774565973 SUCCESS
12204.179111912 [ sid 15 start 11986.975622401 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 5 total: 26838B seconds: 217.203489511 SUCCESS
13325.887595812 [ sid 16 start 12839.672793622 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 10 total: 36894B seconds: 486.21480219 SUCCESS
14463.165145448 [ sid 17 start 13344.018251997 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 27 total: 145762B seconds: 1119.146893451 SUCCESS
15541.821077039 [ sid 18 start 14521.555447639 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 206518B seconds: 1020.2656294 SUCCESS
16043.404240636 [ sid 19 start 15573.408534205 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 8 total: 95428B seconds: 469.995706431 SUCCESS
17838.505772937 [ sid 20 start 16084.188142286 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 26 total: 395033B seconds: 1754.317630651 SUCCESS
18532.519193111 [ sid 21 start 18114.925151925 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 417.594041186 SUCCESS
19104.230454448 [ sid 22 start 18756.850983329 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 347.379471119 SUCCESS
19218.61932329 [ sid 23 start 19188.303929404 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 30.315393886 SUCCESS
19397.247848029 [ sid 24 start 19366.93191856 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3071B seconds: 30.315929469 SUCCESS
19947.724264111 [ sid 25 start 19494.164818754 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 453.559445357 SUCCESS
```

```
-----
| 1 timelines, 5 barriers, 348298 events, 1688 ms, 214 Kevt/s
-----
```

```

.....
.....          bgp@5:1 wrap-up          .....
.....
~# 5:1  --- Loc-RIB at bgp@5:1:
~# 5:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 5:1  | *> 2                2:1 (2)                -      -      - 2
~# 5:1  | *> 3                3:1 (2)                -      -      - 3
~# 5:1  | *> 4                4:1 (2)                -      -      - 4
~# 5:1  | *> 1                1:1 (2)                -      -      - 1
~# 5:1  | *> 5                self                    -      -      - i

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                4:1 (1)                -      100     - 4 3 2
~# 1:1  | *> 3                4:1 (1)                -      100     - 4 3
~# 1:1  | *> 4                4:1 (1)                -      100     - 4
~# 1:1  | *> 1                self                    -      -      - i
~# 1:1  | *> 5                4:1 (1)                -      100     - 4 5

.....
.....          bgp@4:1 wrap-up          .....
.....
~# 4:1  --- Loc-RIB at bgp@4:1:
~# 4:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 4:1  | *> 2                3:1 (1)                -      -      - 3 2
~# 4:1  | *> 3                3:1 (1)                -      -      - 3
~# 4:1  | *> 4                self                    -      -      - i
~# 4:1  | *> 1                1:1 (1)                -      -      - 1
~# 4:1  | *> 5                5:1 (1)                -      -      - 5

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 2                2:1 (1)                -      -      - 2
~# 3:1  | *> 3                self                    -      -      - i
~# 3:1  | *> 4                4:1 (3)                -      -      - 4
~# 3:1  | *> 1                2:1 (1)                -      -      - 2 1
~# 3:1  | *> 5                5:1 (4)                -      -      - 5

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self                    -      -      - i
~# 2:1  | *> 3                3:1 (3)                -      -      - 3
~# 2:1  | *> 4                3:1 (3)                -      -      - 3 4
~# 2:1  | *> 1                1:1 (3)                -      -      - 1
~# 2:1  | *> 5                5:1 (3)                -      -      - 5

```



## 2. ESCENARIO 2

### 2.1. BGP-4

La *Tabla 9*, muestra el tamaño en bytes de los paquetes, como el total de bytes acumulados.

**Tabla 9.** Información que recibe el Servidor HTTP

Paquetes	Bytes	Bytes Totales
1	11,083	11,083
2	3,229	14,312
3	332,547	346,859
4	34,901	381,760
5	9,138	390,898
6	7,360	398,252
7	137,513	535,771
8	42,462	578,233
9	666,388	1,244,621
10	2,713	1,247,334
11	4,938	1,252,272
12	8,925	1,261,197
13	295,255	1,556,452
14	15,182	1,571,634
15	185,182	1,756,816
16	26,838	1,783,654
17	36,894	1,820,548
18	145,762	1,966,310
19	206,518	2,172,828
20	95,428	2,268,256
21	395,033	2,663,289
22	88,926	2,672,181
23	23,392	2,695,573
24	2,369	2,697,942
25	3,071	2,701,013
26	83,791	2,784,804
27	185,034	2,969,838
28	28,005	2,997,843
29	133,798	3,131,641
30	787,096	3,918,737
31	57,958	3,976,695
32	85,804	4,062,449
33	32,526	4,095,025
34	187,363	4,282,038
35	221,354	4,503,742
36	49,254	4,552,996
37	78,373	4,631,369
38	275,582	4,906,951
39	20,651	4,927,602
40	3,445	4,931,047
41	30,841	4,961,888
42	3,045	4,964,933
43	60,854	5,025,787
44	5,292	5,031,079
45	2,134,392	7,165,471
46	204,909	7,370,380
47	394,361	7,764,741
48	39,661	7,804,402
49	69,620	7,874,022
50	88,251	7,962,273
51	73,667	8,035,940
52	6,889	8,042,829
53	96,062	8,138,891
54	4,938	8,143,829
55	229,670	8,373,499
56	21,543	8,395,042
57	214,176	8,609,218
58	74,123	8,683,341
59	59,898	8,743,239
60	3,266	8,746,505
61	76,468	8,822,973

La *Tabla 10*, indica la cantidad de paquetes y bytes recibidos como perdidos que se presetaron en diversas ejecuciones, considerando que tienen el mismo tiempo de simulación.

**Tabla 10.** Relación de Paquetes y Bytes Recibidos como Perdidos. Escenario 1. BGP-4

P. Recibidos	P. Perdidos	Tasa de Perdida	B. Recibidos	B. Perdidos	Tasa de Perdida
61	0	0	8,822,973	0	0
44	17	0.278688525	5,031,079	3,791,894	0.429775088
26	35	0.573770492	2,784,804	6,038,169	0.684368976
16	45	0.737704918	1,783,654	7,039,319	0.797839798
8	53	0.868852459	578,233	8,244,740	0.934462793

```
-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
|-----
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.24/29      0x00000018   1
0/0         0.0.0.24/30      0x00000018
1           0.0.0.0/28       0x00000000   3
1/0         0.0.0.4/30       0x00000004
1/1         0.0.0.0/30       0x00000000
2           0.0.0.16/29     0x00000010   2
3           0.0.0.52/30     0x00000034   1:1(1) 3:1(1)
4           0.0.0.48/30     0x00000030   3:1(2) 3:2(1)
5           0.0.0.44/30     0x0000002c   3:2(2) 2:1(1)
6           0.0.0.40/30     0x00000028   2:1(3) 2:2(0)
7           0.0.0.36/30     0x00000024   2:1(2) 1:1(2)
8           0.0.0.32/30     0x00000020   1:1(3) 1:2(0)

NHI Addr          CIDR Level          IP Address Block  % util
--           --           0.0.0.0/26       90.625
1            0            0.0.0.24/29      75.0
2            2            0.0.0.16/29      75.0
3            1            0.0.0.0/28       62.5
```

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase III: add static routes

```
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
93.663275782 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 33.246602061 SUCCESS
103.383367213 [ sid 1 start 103.374386921 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.008980292 SUCCESS
288.001042913 [ sid 2 start 110.667457871 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 177.333585042 SUCCESS
376.623090644 [ sid 3 start 330.098051406 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 46.525039238 SUCCESS
397.646332867 [ sid 4 start 397.632125381 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 0.014207486 SUCCESS
674.394859193 [ sid 5 start 674.38203873 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 0.012820463 SUCCESS
1453.487522228 [ sid 6 start 762.415628847 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 691.071893381 SUCCESS
1746.60041013 [ sid 7 start 1502.708661089 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 243.891749041 SUCCESS
3150.481334457 [ sid 8 start 1781.088111012 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1369.393223445 SUCCESS
3177.970427999 [ sid 9 start 3177.961841384 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.008586615 SUCCESS
3246.36151119 [ sid 10 start 3214.893817888 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 31.467693302 SUCCESS
3307.515125873 [ sid 11 start 3306.857263962 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 0.657861911 SUCCESS
3822.628225997 [ sid 12 start 3464.44287861 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 358.185347387 SUCCESS
4355.856548777 [ sid 13 start 3837.053730357 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 518.80281842 SUCCESS
4972.743624089 [ sid 14 start 4357.074213238 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 615.669410851 SUCCESS
5041.906435524 [ sid 15 start 5006.547351895 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 35.359083629 SUCCESS
5830.235770038 [ sid 16 start 5677.400117234 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 152.835652804 SUCCESS
5967.374941521 [ sid 17 start 5848.366426223 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 119.008515298 SUCCESS
6480.331785308 [ sid 18 start 6025.765243712 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 454.566541596 SUCCESS
6638.447749834 [ sid 19 start 6511.919242474 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 126.52850736 SUCCESS
7190.992659216 [ sid 20 start 6679.231651484 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 511.761007732 SUCCESS
7470.81969012 [ sid 21 start 7467.412038204 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 3.407651916 SUCCESS
7830.385476068 [ sid 22 start 7695.151480338 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 135.23399573 SUCCESS
7914.467275188 [ sid 23 start 7914.458951024 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 0.008324164 SUCCESS
8062.788730205 [ sid 24 start 8062.779870458 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3071B seconds: 0.008859747 SUCCESS
8199.06338482 [ sid 25 start 8159.70570093 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 10 total: 83791B seconds: 39.35768389 SUCCESS
```

9060.236958308 [ sid 26 start 8449.147002691 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 611.089955617 SUCCESS  
9330.14093287 [ sid 27 start 9108.090620364 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 222.050312506 SUCCESS  
9879.173598044 [ sid 28 start 9383.070427572 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 496.103170472 SUCCESS  
11016.06137529 [ sid 29 start 9979.046029776 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1037.015345514 SUCCESS  
11164.203972493 [ sid 30 start 11048.873662269 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 115.330310224 SUCCESS  
11318.53430694 [ sid 31 start 11179.181720876 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 139.352586064 SUCCESS  
11542.294085313 [ sid 32 start 11344.948100096 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 197.345985217 SUCCESS  
11982.865322262 [ sid 33 start 11552.976719216 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 429.888603046 SUCCESS  
12438.734384388 [ sid 34 start 12006.608138561 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 432.126245827 SUCCESS  
12612.482107159 [ sid 35 start 12609.315917255 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 3.166189904 SUCCESS  
12852.700929825 [ sid 36 start 12710.97991976 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 141.721010065 SUCCESS  
13051.575717209 [ sid 37 start 12886.927241527 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 164.648475682 SUCCESS  
13198.933038463 [ sid 38 start 13198.111425353 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 0.82161311 SUCCESS  
13199.680947348 [ sid 39 start 13199.671802261 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.009145087 SUCCESS  
13291.459750835 [ sid 40 start 13249.776295919 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 41.683454916 SUCCESS  
13341.710699159 [ sid 41 start 13341.701859248 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 0.008839911 SUCCESS  
13381.795154614 [ sid 42 start 13378.395952298 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 3.399202316 SUCCESS  
13401.430508959 [ sid 43 start 13401.224980628 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 0.205528331 SUCCESS  
14236.15092404 [ sid 44 start 13498.307636788 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 737.843287252 SUCCESS  
14489.568329548 [ sid 45 start 14329.5715971 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 159.996732448 SUCCESS  
14970.713024477 [ sid 46 start 14667.152129335 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 22 total: 394361B seconds: 303.560895142 SUCCESS  
15193.704415908 [ sid 47 start 15192.271979478 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 7 total: 39661B seconds: 1.43243643 SUCCESS  
15928.560629919 [ sid 48 start 15266.957035141 ] clnt 1:2 srv 2:2(0) #pages: 11  
#objects: 13 total: 69620B seconds: 661.603594778 SUCCESS  
16350.171149117 [ sid 49 start 16062.967880219 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 15 total: 88251B seconds: 287.203268898 SUCCESS  
16815.728564233 [ sid 50 start 16649.205573103 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 11 total: 73667B seconds: 166.52299113 SUCCESS  
16936.739840027 [ sid 51 start 16936.541600282 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 6889B seconds: 0.198239745 SUCCESS  
17036.022370923 [ sid 52 start 17031.204366841 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 13 total: 96062B seconds: 4.818004082 SUCCESS  
17082.704746519 [ sid 53 start 17082.479585567 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 4938B seconds: 0.225160952 SUCCESS

```

17586.608127552 [ sid 54 start 17117.550639863 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 469.057487689 SUCCESS
17588.353673022 [ sid 55 start 17587.791836201 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 0.561836821 SUCCESS
18923.246549279 [ sid 56 start 17614.348147834 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1308.898401445 SUCCESS
19264.278521602 [ sid 57 start 18958.125307803 ] clnt 1:2 srv 2:2(0) #pages:
7 #objects: 9 total: 74123B seconds: 306.153213799 SUCCESS
19462.388684049 [ sid 58 start 19321.242512525 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 9 total: 59898B seconds: 141.146171524 SUCCESS
19483.066058563 [ sid 59 start 19483.057050043 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3266B seconds: 0.00900852 SUCCESS
19908.433161708 [ sid 60 start 19594.649094295 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 76468B seconds: 313.784067413 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 280576 events, 1453 ms, 204 Kevt/s
-----

```

```

.....
.....          bgp@1:1 wrap-up          .....
.....

~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 3                3:1(1)                -      -      - 3
~# 1:1  | *> 2                2:1(2)                -      -      - 2
~# 1:1  | *> 1                self                   -      -      - i

.....
.....          bgp@3:1 wrap-up          .....
.....

~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 3                self                   -      -      - i
~# 3:1  | *> 2                3:2(1)                -      -      - 2 i
~# 3:1  | *> 1                1:1(1)                -      -      - 1

.....
.....          bgp@3:2 wrap-up          .....
.....

~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self                   -      -      - i
~# 3:2  | *> 2                2:1(1)                -      -      - 2
~# 3:2  | *> 1                3:1(2)                -      -      - 1 i

.....
.....          bgp@2:1 wrap-up          .....
.....

~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)                -      -      - 3
~# 2:1  | *> 2                self                   -      -      - i
~# 2:1  | *> 1                1:1(2)                -      -      - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

117.980652741 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 57.56397902 SUCCESS
136.820144172 [ sid 1 start 127.69176388 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 9.128380292 SUCCESS
379.020108638 [ sid 2 start 144.10423483 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 234.915873808 SUCCESS
540.594871011 [ sid 3 start 421.117117131 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 119.47775388 SUCCESS
573.777313234 [ sid 4 start 561.603905748 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 12.173407486 SUCCESS

```

862.68503956 [ sid 5 start 850.513019097 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 12.172020463 SUCCESS  
1970.0728795 [ sid 6 start 950.705809214 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 1019.367070286 SUCCESS  
2354.376652655 [ sid 7 start 2019.294018361 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 335.082634294 SUCCESS  
4518.015444596 [ sid 8 start 2388.864353537 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 2129.151091059 SUCCESS  
4554.623938138 [ sid 9 start 4545.495951523 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 9.127986615 SUCCESS  
4641.253821329 [ sid 10 start 4591.547328027 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 49.706493302 SUCCESS  
4723.686014383 [ sid 11 start 4701.749574101 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 21.936440282 SUCCESS  
5466.689984428 [ sid 12 start 4880.61376712 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 586.076217308 SUCCESS  
6036.394985607 [ sid 13 start 5481.115488788 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 555.279496819 SUCCESS  
6905.547503247 [ sid 14 start 6037.612650068 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 867.934853179 SUCCESS  
7029.423195324 [ sid 15 start 6939.351231053 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 90.071964271 SUCCESS  
7918.065929838 [ sid 16 start 7664.916877034 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 253.149052804 SUCCESS  
8340.939773427 [ sid 17 start 7936.196586023 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 404.743187404 SUCCESS  
8999.762366414 [ sid 18 start 8399.330075618 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 600.432290796 SUCCESS  
9252.078925663 [ sid 19 start 9031.34982358 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 220.729102083 SUCCESS  
10129.790855738 [ sid 20 start 9292.862827313 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 836.928028425 SUCCESS  
10522.07707933 [ sid 21 start 10406.210234726 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 115.866844604 SUCCESS  
10945.476960616 [ sid 22 start 10746.408869548 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 199.068091068 SUCCESS  
11038.678159736 [ sid 23 start 11029.550435572 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 9.127724164 SUCCESS  
11196.119014753 [ sid 24 start 11186.990755006 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 9.128259747 SUCCESS  
11441.821498652 [ sid 25 start 11293.035985478 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 148.785513174 SUCCESS  
12631.278219262 [ sid 26 start 11691.905116523 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 939.373102739 SUCCESS  
12968.057420689 [ sid 27 start 12679.131881318 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 288.925539371 SUCCESS  
13729.860103389 [ sid 28 start 13020.986915391 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 708.873187998 SUCCESS  
15325.395362082 [ sid 29 start 13829.732535121 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1495.662826961 SUCCESS  
15564.719519936 [ sid 30 start 15358.207649061 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 206.511870875 SUCCESS  
15782.874458083 [ sid 31 start 15579.697268319 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 203.177189764 SUCCESS  
16109.987025389 [ sid 32 start 15809.288251239 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 300.69877415 SUCCESS

```

16814.99165442 [ sid 33 start 16120.669659292 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 694.321995128 SUCCESS
17611.2930327 [ sid 34 start 16838.734470719 ] clnt 1:2 srv 2:2(0) #pages: 10
#objects: 30 total: 221354B seconds: 772.558561981 SUCCESS
17891.431124284 [ sid 35 start 17781.874565567 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 109.556558717 SUCCESS
18231.951124524 [ sid 36 start 17989.928936885 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 242.022187639 SUCCESS
18938.457449942 [ sid 37 start 18266.177436226 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 672.280013716 SUCCESS
19110.130685838 [ sid 38 start 19084.993158086 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 25.137527752 SUCCESS
19119.997994723 [ sid 39 start 19110.869449636 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 9.128545087 SUCCESS
19257.371312852 [ sid 40 start 19170.093343294 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 87.277969558 SUCCESS
19316.741661176 [ sid 41 start 19307.613421265 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 9.128239911 SUCCESS
19420.656474999 [ sid 42 start 19353.426914315 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 67.229560684 SUCCESS
19458.530629344 [ sid 43 start 19440.086301013 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 5292B seconds: 18.444328331 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 279025 events, 1328 ms, 220 Kevt/s
-----
```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight
ASPathNHI
~# 1:1 | *> 3              3:1(1)          -      -      - 3
~# 1:1 | *> 2              2:1(2)          -      -      - 2
~# 1:1 | *> 1              self            -      -      - i
..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 3              self            -      -      - i
~# 3:1 | *> 2              3:2(1)         -      -      - 2 i
~# 3:1 | *> 1              1:1(1)         -      -      - 1
..... bgp@3:2 wrap-up .....
.....
~# 3:2 --- Loc-RIB at bgp@3:2:
~# 3:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2 | *> 3              self            -      -      - i
~# 3:2 | *> 2              2:1(1)         -      -      - 2
~# 3:2 | *> 1              3:1(2)         -      -      - 1 i
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 3              3:2(2)         -      -      - 3
~# 2:1 | *> 2              self            -      -      - i
~# 2:1 | *> 1              1:1(2)         -      -      - 1

```



```

-----
| Raceway SSF 2.0b01 (2 July 2003)
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|
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| Organization: Renesys
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.218 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

162.780652741 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 102.36397902 SUCCESS
198.420144172 [ sid 1 start 172.49176388 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 25.928380292 SUCCESS
642.071910124 [ sid 2 start 205.70423483 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 436.367675294 SUCCESS
946.688503755 [ sid 3 start 684.168918617 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 262.519585138 SUCCESS
1002.270945978 [ sid 4 start 967.697538492 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 34.573407486 SUCCESS

```

```

1313.578672304 [ sid 5 start 1279.006651841 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 34.572020463 SUCCESS
3043.047367112 [ sid 6 start 1401.599441958 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1641.447925154 SUCCESS
3603.993124097 [ sid 7 start 3092.268505973 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 511.724618124 SUCCESS
7366.409338646 [ sid 8 start 3638.480824979 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 3727.928513667 SUCCESS
7419.817832188 [ sid 9 start 7393.889845573 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 25.927986615 SUCCESS
7540.047715379 [ sid 10 start 7456.741222077 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 83.306493302 SUCCESS
7661.679908433 [ sid 11 start 7600.543468151 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 61.136440282 SUCCESS
8919.720051428 [ sid 12 start 7818.60766117 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 1101.112390258 SUCCESS
9556.625052607 [ sid 13 start 8934.145555788 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 622.479496819 SUCCESS
10942.433264915 [ sid 14 start 9557.842717068 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 1384.590547847 SUCCESS
11167.11290598 [ sid 15 start 10976.236992721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 190.875913259 SUCCESS
12240.555640494 [ sid 16 start 11802.60658769 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 437.949052804 SUCCESS
13233.0306426 [ sid 17 start 12258.686296679 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 974.344345921 SUCCESS
14229.767316683 [ sid 18 start 13291.420944791 ] clnt 1:2 srv 2:2(0) #pages:
8 #objects: 12 total: 206518B seconds: 938.346371892 SUCCESS
14681.616053006 [ sid 19 start 14261.354773849 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 8 total: 95428B seconds: 420.261279157 SUCCESS
16296.785036215 [ sid 20 start 14722.399954656 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 26 total: 395033B seconds: 1574.385081559 SUCCESS
16930.829856751 [ sid 21 start 16573.204415203 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 357.625441548 SUCCESS
17471.829737164 [ sid 22 start 17155.161646969 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 316.668090195 SUCCESS
17581.830936284 [ sid 23 start 17555.90321212 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 25.927724164 SUCCESS
17756.071791301 [ sid 24 start 17730.143531554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3071B seconds: 25.928259747 SUCCESS
18246.572907611 [ sid 25 start 17852.988762026 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 393.584145585 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 271623 events, 1188 ms, 238 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 3                3:1(1)          -      -      - 3
~# 1:1   | *> 2                2:1(2)          -      -      - 2
~# 1:1   | *> 1                self            -      -      - i

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 3                self            -      -      - i
~# 3:1  | *> 2                3:2(1)         -      -      - 2 i
~# 3:1  | *> 1                1:1(1)         -      -      - 1

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self            -      -      - i
~# 3:2  | *> 2                2:1(1)         -      -      - 2
~# 3:2  | *> 1                3:1(2)         -      -      - 1 i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)         -      -      - 3
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 1                1:1(2)         -      -      - 1

```

```

-----
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-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

```

NHI Addr          CIDR Level      IP Address Block  % util
--              --              --              --
1                0                0.0.0.0/26        90.625
2                2                0.0.0.16/29       75.0
3                1                0.0.0.0/28        62.5

**              Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
258.780652741 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 198.36397902 SUCCESS
330.420144172 [ sid 1 start 268.49176388 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 61.928380292 SUCCESS
1134.071910124 [ sid 2 start 337.70423483 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 796.367675294 SUCCESS
1738.688503755 [ sid 3 start 1176.168918617 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 562.519585138 SUCCESS
1842.270945978 [ sid 4 start 1759.697538492 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 82.573407486 SUCCESS
2201.578672304 [ sid 5 start 2119.006651841 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 82.572020463 SUCCESS
5251.047367112 [ sid 6 start 2289.599441958 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 2961.447925154 SUCCESS
6183.993124097 [ sid 7 start 5300.268505973 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 883.724618124 SUCCESS
13222.409338646 [ sid 8 start 6218.480824979 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 7003.928513667 SUCCESS
13311.817832188 [ sid 9 start 13249.889845573 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 61.927986615 SUCCESS
13504.047715379 [ sid 10 start 13348.741222077 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 2 total: 4938B seconds: 155.306493302 SUCCESS
13709.679908433 [ sid 11 start 13564.543468151 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 8925B seconds: 145.136440282 SUCCESS
15999.720051428 [ sid 12 start 13866.60766117 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 2133.112390258 SUCCESS
16780.625052607 [ sid 13 start 16014.145555788 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 3 total: 15182B seconds: 766.479496819 SUCCESS
19234.433264915 [ sid 14 start 16781.842717068 ] clnt 1:2 srv 2:2(0) #pages:
9 #objects: 23 total: 185182B seconds: 2452.590547847 SUCCESS
19675.11290598 [ sid 15 start 19268.236992721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 406.875913259 SUCCESS

-----
| 1 timelines, 5 barriers, 270750 events, 1140 ms, 251 Kevt/s
-----
..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 3              3:1(1)          -      -      - 3
~# 1:1 | *> 2              2:1(2)          -      -      - 2
~# 1:1 | *> 1              self            -      -      - i

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 3                self            -         -         - i
~# 3:1  | *> 2                3:2(1)         -         -         - 2 i
~# 3:1  | *> 1                1:1(1)         -         -         - 1
.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self            -         -         - i
~# 3:2  | *> 2                2:1(1)         -         -         - 2
~# 3:2  | *> 1                3:1(2)         -         -         - 1 i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)         -         -         - 3
~# 2:1  | *> 2                self            -         -         - i
~# 2:1  | *> 1                1:1(2)         -         -         - 1

```

```

-----
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|      (http://www.renesys.com/raceway\_free\_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

```

**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.218 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

578.780652741 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 518.36397902 SUCCESS
770.420144172 [ sid 1 start 588.49176388 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 181.928380292 SUCCESS
2774.071910124 [ sid 2 start 777.70423483 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 1996.367675294 SUCCESS
4378.688503755 [ sid 3 start 2816.168918617 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 1562.519585138 SUCCESS
4642.270945978 [ sid 4 start 4399.697538492 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 242.573407486 SUCCESS
5161.578672304 [ sid 5 start 4919.006651841 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 242.572020463 SUCCESS
12611.047367112 [ sid 6 start 5249.599441958 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 7361.447925154 SUCCESS
14783.993124097 [ sid 7 start 12660.268505973 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 2123.724618124 SUCCESS
-----
| 1 timelines, 5 barriers, 269440 events, 1110 ms, 257 Kevt/s
-----

.....
.....      bgp@1:1 wrap-up      .....
.....

~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 3                3:1(1)          -      -      - 3
~# 1:1   | *> 2                2:1(2)          -      -      - 2
~# 1:1   | *> 1                self            -      -      - i

.....
.....      bgp@3:1 wrap-up      .....
.....

~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1   | *> 3                self            -      -      - i
~# 3:1   | *> 2                3:2(1)          -      -      - 2 i
~# 3:1   | *> 1                1:1(1)          -      -      - 1

.....
.....      bgp@3:2 wrap-up      .....
.....

~# 3:2    --- Loc-RIB at bgp@3:2:
~# 3:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2   | *> 3                self            -      -      - i
~# 3:2   | *> 2                2:1(1)          -      -      - 2
~# 3:2   | *> 1                3:1(2)          -      -      - 1 i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2 (2)         -      -      - 3
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 1                1:1 (2)         -      -      - 1

```

## 2.2. BGP-C2 EN T1

**Tabla 11.** Paquetes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 2. BGP-C2 en t1

P. Recibidos	P. Perdidos	Tasa Perdida
57	0	0
56	1	0.01754386
54	3	0.052631579
47	10	0.175438596
44	13	0.228070175
34	23	0.403508772

**Tabla 12.** Bytes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 2. BGP-C2 en t1

B. Recibidos	B. Perdidos	Tasa de Perdida
8,609,218	0	0
8,395,042	214,176	0.024877521
8,143,829	465,389	0.054057058
7,764,741	844,477	0.098089861
5,031,079	3,578,139	0.415617191
4,282,038	4,327,180	0.502621725

```

-----
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| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.24/29      0x00000018   1
0/0         0.0.0.24/30      0x00000018
1           0.0.0.0/28       0x00000000   3
1/0         0.0.0.4/30       0x00000004
1/1         0.0.0.0/30       0x00000000

```

2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.218 seconds

\*\* Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

```

96.240152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 35.823478446 SUCCESS
106.92731332 [ sid 1 start 105.951263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.976050014 SUCCESS
297.504487889 [ sid 2 start 114.211403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 183.293083911 SUCCESS
393.863659794 [ sid 3 start 339.601496382 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 54.262163412 SUCCESS
416.177345565 [ sid 4 start 414.872694531 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.304651034 SUCCESS
694.216315439 [ sid 5 start 692.913051428 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.303264011 SUCCESS
1508.120715499 [ sid 6 start 782.237085093 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 725.883630406 SUCCESS
1810.901962544 [ sid 7 start 1557.34185436 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 253.560108184 SUCCESS
3295.203939191 [ sid 8 start 1845.389663426 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1449.814275765 SUCCESS
3323.660102455 [ sid 9 start 3322.684446118 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.975656337 SUCCESS
3393.98532509 [ sid 10 start 3360.583492344 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 33.401832746 SUCCESS
3457.395256488 [ sid 11 start 3454.481077862 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 2.914178626 SUCCESS
3996.601327239 [ sid 12 start 3614.323009225 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 382.278318014 SUCCESS

```



4533.695759136 [ sid 13 start 4011.026831599 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 522.668927537 SUCCESS  
5177.312440386 [ sid 14 start 4534.913423597 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 642.399016789 SUCCESS  
5252.274195043 [ sid 15 start 5211.116168192 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 41.158026851 SUCCESS  
6051.242678943 [ sid 16 start 5887.767876753 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 163.47480219 SUCCESS  
6218.682972478 [ sid 17 start 6069.373335128 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 149.30963735 SUCCESS  
6747.076232365 [ sid 18 start 6277.073274669 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 470.002957696 SUCCESS  
6915.15649741 [ sid 19 start 6778.663689531 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 136.492807879 SUCCESS  
7502.122209973 [ sid 20 start 6955.94039906 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 546.181810913 SUCCESS  
7793.862737899 [ sid 21 start 7778.541588961 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 15.321148938 SUCCESS  
8160.193999236 [ sid 22 start 8018.194528117 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 141.999471119 SUCCESS  
8245.242868078 [ sid 23 start 8244.267474192 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.975393886 SUCCESS  
8394.531392817 [ sid 24 start 8393.555463348 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.975929469 SUCCESS  
8542.412016892 [ sid 25 start 8491.448363542 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 50.96365335 SUCCESS  
9438.392757644 [ sid 26 start 8792.495634763 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 645.897122881 SUCCESS  
9715.389147707 [ sid 27 start 9486.2464197 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 229.142728007 SUCCESS  
10286.968536347 [ sid 28 start 9768.318642409 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 518.649893938 SUCCESS  
11472.185536952 [ sid 29 start 10386.840968079 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1085.344568873 SUCCESS  
11629.989109612 [ sid 30 start 11504.997823931 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 124.991285681 SUCCESS  
11791.083839325 [ sid 31 start 11644.966857995 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 146.11698133 SUCCESS  
12025.802467517 [ sid 32 start 11817.497632481 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 208.304835036 SUCCESS  
12494.40107243 [ sid 33 start 12036.48510142 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 457.91597101 SUCCESS  
12986.359118202 [ sid 34 start 12518.143888729 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 468.215229473 SUCCESS  
13171.38972993 [ sid 35 start 13156.940651069 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 14.449078861 SUCCESS  
13422.236071596 [ sid 36 start 13269.887542531 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 152.348529065 SUCCESS  
13674.93849606 [ sid 37 start 13456.462383298 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 218.476112762 SUCCESS  
13824.874219052 [ sid 38 start 13821.474204204 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 3.400014848 SUCCESS  
13826.589197659 [ sid 39 start 13825.61298285 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.976214809 SUCCESS  
13923.203916154 [ sid 40 start 13876.68454623 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 46.519369924 SUCCESS

```

13974.4219342 [ sid 41 start 13973.446024567 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3045B seconds: 0.975909633 SUCCESS
14021.274551369 [ sid 42 start 14011.107187339 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 10.16736403 SUCCESS
14042.844045158 [ sid 43 start 14040.704377383 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 5292B seconds: 2.139667775 SUCCESS
15007.067353965 [ sid 44 start 14139.721172987 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 867.346180978 SUCCESS
15273.305877097 [ sid 45 start 15100.488027025 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 172.817850072 SUCCESS
15781.10597793 [ sid 46 start 15450.889676884 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 330.216301046 SUCCESS
16012.156425894 [ sid 47 start 16002.664932931 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 9.491492963 SUCCESS
16761.516900311 [ sid 48 start 16085.409045127 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 676.107855184 SUCCESS
17200.531121425 [ sid 49 start 16895.924150611 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 304.606970814 SUCCESS
17678.983261395 [ sid 50 start 17499.565545411 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 179.417715984 SUCCESS
17802.24811555 [ sid 51 start 17799.796297444 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 2.451818106 SUCCESS
17916.675861782 [ sid 52 start 17896.712642364 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 19.963219418 SUCCESS
17965.292376822 [ sid 53 start 17963.133076426 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 2.159300396 SUCCESS
18512.037938064 [ sid 54 start 18000.138270166 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 511.899667898 SUCCESS
18517.649273044 [ sid 55 start 18513.221646713 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 4.427626331 SUCCESS
19890.232188278 [ sid 56 start 18543.643747856 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1346.588440422 SUCCESS

```

-----  
1 timelines, 5 barriers, 315173 events, 1578 ms, 205 Kevt/s

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 3                2:1(2)          -    100    - 2 3
~# 1:1 | *> 2                2:1(2)          -    100    - 2
~# 1:1 | *> 1                self            -     -     - i
.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 3                self            -     -     - i
~# 3:1 | *> 2                3:2(1)         -     -     - 2 i
~# 3:1 | *> 1                1:1(1)         -     -     - 1

```

```

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self            -         -         - i
~# 3:2  | *> 2                2:1(1)         -         -         - 2
~# 3:2  | *> 1                3:1(2)         -         -         - 1 i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)         -         -         - 3
~# 2:1  | *> 2                self            -         -         - i
~# 2:1  | *> 1                1:1(2)         -         -         - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

```
--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

97.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 36.623478446 SUCCESS
108.02731332 [ sid 1 start 106.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 1.276050014 SUCCESS
300.504442876 [ sid 2 start 115.311403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 185.193038898 SUCCESS
399.263614781 [ sid 3 start 342.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 56.662163412 SUCCESS
421.977300552 [ sid 4 start 420.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.704651034 SUCCESS
700.416270426 [ sid 5 start 698.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.703264011 SUCCESS
1525.120670486 [ sid 6 start 788.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 736.683630406 SUCCESS
1830.901917531 [ sid 7 start 1574.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 256.560108184 SUCCESS
3340.203894178 [ sid 8 start 1865.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1474.814275765 SUCCESS
3368.960057442 [ sid 9 start 3367.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 1.275656337 SUCCESS
3439.885280077 [ sid 10 start 3405.883447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 34.001832746 SUCCESS
3503.995211475 [ sid 11 start 3500.381032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 3.614178626 SUCCESS
4050.701312743 [ sid 12 start 3660.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 389.778348531 SUCCESS
4588.99574464 [ sid 13 start 4065.126817103 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 523.868927537 SUCCESS
5240.91242589 [ sid 14 start 4590.213409101 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 650.699016789 SUCCESS
5317.674180547 [ sid 15 start 5274.716153696 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 42.958026851 SUCCESS
6119.942664447 [ sid 16 start 5953.167862257 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 166.77480219 SUCCESS
6296.782957982 [ sid 17 start 6138.073320632 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 158.70963735 SUCCESS
6829.976217869 [ sid 18 start 6355.173260173 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 474.802957696 SUCCESS
7001.156482914 [ sid 19 start 6861.563675035 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 139.592807879 SUCCESS
7598.82224049 [ sid 20 start 7041.940384564 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 556.881855926 SUCCESS
7894.262768416 [ sid 21 start 7875.241619478 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 19.021148938 SUCCESS
8262.694029753 [ sid 22 start 8118.594558634 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 144.099471119 SUCCESS
8348.042898595 [ sid 23 start 8346.767504709 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 1.275393886 SUCCESS
```

8497.631423334 [ sid 24 start 8496.355493865 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 1.275929469 SUCCESS  
8649.112047409 [ sid 25 start 8594.548394059 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 54.56365335 SUCCESS  
9555.892788161 [ sid 26 start 8899.19566528 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 656.697122881 SUCCESS  
9835.089178224 [ sid 27 start 9603.746450217 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 231.342728007 SUCCESS  
10413.668566864 [ sid 28 start 9888.018672926 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 525.649893938 SUCCESS  
11613.985567469 [ sid 29 start 10513.540998596 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1100.444568873 SUCCESS  
11774.789140129 [ sid 30 start 11646.797854448 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 127.991285681 SUCCESS  
11937.983869842 [ sid 31 start 11789.766888512 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 148.21698133 SUCCESS  
12176.102498034 [ sid 32 start 11964.397662998 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 211.704835036 SUCCESS  
12653.401102947 [ sid 33 start 12186.785131937 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 466.61597101 SUCCESS  
13156.559148719 [ sid 34 start 12677.143919246 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 479.415229473 SUCCESS  
13345.089760447 [ sid 35 start 13327.140681586 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 17.949078861 SUCCESS  
13599.236102113 [ sid 36 start 13443.587573048 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 155.648529065 SUCCESS  
13868.638526577 [ sid 37 start 13633.462413815 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 235.176112762 SUCCESS  
14019.374249569 [ sid 38 start 14015.174234721 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 4.200014848 SUCCESS  
14021.389228176 [ sid 39 start 14020.113013367 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3445B seconds: 1.276214809 SUCCESS  
14119.503946671 [ sid 40 start 14071.484576747 ] clnt 1:2 srv 2:2(0) #pages:  
2 #objects: 4 total: 30841B seconds: 48.019369924 SUCCESS  
14171.021964717 [ sid 41 start 14169.746055084 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 1 total: 3045B seconds: 1.275909633 SUCCESS  
14219.974581886 [ sid 42 start 14207.707217856 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 12.26736403 SUCCESS  
14242.144075675 [ sid 43 start 14239.4044079 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 2.739667775 SUCCESS  
15246.867384482 [ sid 44 start 14339.021203504 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 907.846180978 SUCCESS  
15517.105907614 [ sid 45 start 15340.288057542 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 176.817850072 SUCCESS  
16033.206008447 [ sid 46 start 15694.689707401 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 338.516301046 SUCCESS  
16266.756456411 [ sid 47 start 16254.764963448 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 11.991492963 SUCCESS  
17020.616930828 [ sid 48 start 16340.009075644 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 680.607855184 SUCCESS  
17465.031151942 [ sid 49 start 17155.024181128 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 310.006970814 SUCCESS  
17947.483291912 [ sid 50 start 17764.065575928 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 11 total: 73667B seconds: 183.417715984 SUCCESS  
18071.448146067 [ sid 51 start 18068.296327961 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 6889B seconds: 3.151818106 SUCCESS

```

18190.575892299 [ sid 52 start 18165.912672881 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 24.663219418 SUCCESS
18239.792407339 [ sid 53 start 18237.033106943 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 2.759300396 SUCCESS
18799.837968581 [ sid 54 start 18274.638300683 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 525.199667898 SUCCESS
18806.649303561 [ sid 55 start 18801.02167723 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 3 total: 21543B seconds: 5.627626331 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 315313 events, 1563 ms, 210 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 3                2:1(2)                -    100    - 2 3
~# 1:1    | *> 2                2:1(2)                -    100    - 2
~# 1:1    | *> 1                self                   -     -     - i

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1    | *> 3                self                   -     -     - i
~# 3:1    | *> 2                3:2(1)              -     -     - 2 i
~# 3:1    | *> 1                1:1(1)              -     -     - 1

```

```

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2    --- Loc-RIB at bgp@3:2:
~# 3:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2    | *> 3                self                   -     -     - i
~# 3:2    | *> 2                2:1(1)              -     -     - 2
~# 3:2    | *> 1                3:1(2)              -     -     - 1 i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *> 3                3:2(2)              -     -     - 3
~# 2:1    | *> 2                self                   -     -     - i
~# 2:1    | *> 1                1:1(2)              -     -     - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```
101.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 40.623478446 SUCCESS
113.52731332 [ sid 1 start 110.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 2.776050014 SUCCESS
315.504442876 [ sid 2 start 120.811403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 194.693038898 SUCCESS
426.263614781 [ sid 3 start 357.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 68.662163412 SUCCESS
450.977300552 [ sid 4 start 447.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 3.704651034 SUCCESS
731.416270426 [ sid 5 start 727.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 3.703264011 SUCCESS
1610.120670486 [ sid 6 start 819.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 790.683630406 SUCCESS
1930.901917531 [ sid 7 start 1659.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 271.560108184 SUCCESS
3565.203894178 [ sid 8 start 1965.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1599.814275765 SUCCESS
3595.460057442 [ sid 9 start 3592.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 2.775656337 SUCCESS
3669.385280077 [ sid 10 start 3632.383447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 37.001832746 SUCCESS
```

3736.995211475 [ sid 11 start 3729.881032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 7.114178626 SUCCESS  
4321.201282226 [ sid 12 start 3893.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 427.278318014 SUCCESS  
4865.495714123 [ sid 13 start 4335.626786586 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 529.868927537 SUCCESS  
5558.912395373 [ sid 14 start 4866.713378584 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 692.199016789 SUCCESS  
5644.67415003 [ sid 15 start 5592.716123179 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 51.958026851 SUCCESS  
6463.44263393 [ sid 16 start 6280.16783174 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 183.27480219 SUCCESS  
6687.282927465 [ sid 17 start 6481.573290115 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 205.70963735 SUCCESS  
7244.476187352 [ sid 18 start 6745.673229656 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 498.802957696 SUCCESS  
7431.156452397 [ sid 19 start 7276.063644518 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 155.092807879 SUCCESS  
8082.32216496 [ sid 20 start 7471.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 610.381810913 SUCCESS  
8396.262692886 [ sid 21 start 8358.741543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 37.521148938 SUCCESS  
8775.193954223 [ sid 22 start 8620.594483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 154.599471119 SUCCESS  
8862.042823065 [ sid 23 start 8859.267429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 2.775393886 SUCCESS  
9013.131347804 [ sid 24 start 9010.355418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 2.775929469 SUCCESS  
9182.611971879 [ sid 25 start 9110.048318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 72.56365335 SUCCESS  
10143.392712631 [ sid 26 start 9432.69558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 710.697122881 SUCCESS  
10433.589102694 [ sid 27 start 10191.246374687 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 6 total: 28005B seconds: 242.342728007 SUCCESS  
11047.168491334 [ sid 28 start 10486.518597396 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 560.649893938 SUCCESS  
12322.985491939 [ sid 29 start 11147.040923066 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1175.944568873 SUCCESS  
12498.789064599 [ sid 30 start 12355.797778918 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 142.991285681 SUCCESS  
12672.483794312 [ sid 31 start 12513.766812982 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 158.71698133 SUCCESS  
12927.602422504 [ sid 32 start 12698.897587468 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 228.704835036 SUCCESS  
13448.401027417 [ sid 33 start 12938.285056407 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 510.11597101 SUCCESS  
14007.559073189 [ sid 34 start 13472.143843716 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 535.415229473 SUCCESS  
14213.589684917 [ sid 35 start 14178.140606056 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 10 total: 49254B seconds: 35.449078861 SUCCESS  
14484.236026583 [ sid 36 start 14312.087497518 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 172.148529065 SUCCESS  
14837.138451047 [ sid 37 start 14518.462338285 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 47 total: 275582B seconds: 318.676112762 SUCCESS  
14991.874174039 [ sid 38 start 14983.674159191 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 8.200014848 SUCCESS



```

14995.389152646 [ sid 39 start 14992.612937837 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 2.776214809 SUCCESS
15101.003871141 [ sid 40 start 15045.484501217 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 55.519369924 SUCCESS
15154.021889187 [ sid 41 start 15151.245979554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 2.775909633 SUCCESS
15213.474506356 [ sid 42 start 15190.707142326 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 22.76736403 SUCCESS
15238.644000145 [ sid 43 start 15232.90433237 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 5.739667775 SUCCESS
16445.867308952 [ sid 44 start 15335.521127974 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 1110.346180978SUCCESS
16736.105832084 [ sid 45 start 16539.287982012 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 196.817850072 SUCCESS
17293.705932917 [ sid 46 start 16913.689631871 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 380.016301046 SUCCESS
17539.756380881 [ sid 47 start 17515.264887918 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 24.491492963 SUCCESS
18316.116855298 [ sid 48 start 17613.009000114 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 703.107855184 SUCCESS
18787.531076412 [ sid 49 start 18450.524105598 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 337.006970814 SUCCESS
19289.983216382 [ sid 50 start 19086.565500398 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 203.417715984 SUCCESS
19417.448070537 [ sid 51 start 19410.796252431 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 6.651818106 SUCCESS
19560.075816769 [ sid 52 start 19511.912597351 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 48.163219418 SUCCESS
19612.292331809 [ sid 53 start 19606.533031413 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 5.759300396 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 314275 events, 1500 ms, 216 Kevt/s
-----

```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 3 2:1(2) - 100 - 2 3
~# 1:1 | *> 2 2:1(2) - 100 - 2
~# 1:1 | *> 1 self - - - i
.....

```

```

..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 3 self - - - i
~# 3:1 | *> 2 3:2(1) - - - 2 i
~# 3:1 | *> 1 1:1(1) - - - 1
.....

```

```

..... bgp@3:2 wrap-up .....
.....
~# 3:2 --- Loc-RIB at bgp@3:2:
~# 3:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 3:2 | *> 3 self - - - i
~# 3:2 | *> 2 2:1(1) - - - 2
~# 3:2 | *> 1 3:1(2) - - - 1 i
.....

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)          -      -      - 3
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 1                1:1(2)         -      -      - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

109.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 48.623478446 SUCCESS
124.52731332 [ sid 1 start 118.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 5.776050014 SUCCESS

```

345.504442876 [ sid 2 start 131.811403978 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 3 total: 332547B seconds: 213.693038898 SUCCESS  
480.263614781 [ sid 3 start 387.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 7 total: 34901B seconds: 92.662163412 SUCCESS  
508.977300552 [ sid 4 start 501.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 7.704651034 SUCCESS  
793.416270426 [ sid 5 start 785.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 7.703264011 SUCCESS  
1780.120670486 [ sid 6 start 881.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 898.683630406 SUCCESS  
2130.901917531 [ sid 7 start 1829.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 301.560108184 SUCCESS  
4015.203894178 [ sid 8 start 2165.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 1849.814275765 SUCCESS  
4048.460057442 [ sid 9 start 4042.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 5.775656337 SUCCESS  
4128.385280077 [ sid 10 start 4085.383447331 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 43.001832746 SUCCESS  
4202.995211475 [ sid 11 start 4188.881032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 14.114178626 SUCCESS  
4862.201282226 [ sid 12 start 4359.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 502.278318014 SUCCESS  
5418.495714123 [ sid 13 start 4876.626786586 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 541.868927537 SUCCESS  
6194.912395373 [ sid 14 start 5419.713378584 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 775.199016789 SUCCESS  
6298.67415003 [ sid 15 start 6228.716123179 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 69.958026851 SUCCESS  
7150.44263393 [ sid 16 start 6934.16783174 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 216.27480219 SUCCESS  
7468.282927465 [ sid 17 start 7168.573290115 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 299.70963735 SUCCESS  
8073.476187352 [ sid 18 start 7526.673229656 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 546.802957696 SUCCESS  
8291.156452397 [ sid 19 start 8105.063644518 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 186.092807879 SUCCESS  
9049.32216496 [ sid 20 start 8331.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 717.381810913 SUCCESS  
9400.262692886 [ sid 21 start 9325.741543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 74.521148938 SUCCESS  
9800.193954223 [ sid 22 start 9624.594483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 175.599471119 SUCCESS  
9890.042823065 [ sid 23 start 9884.267429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 5.775393886 SUCCESS  
10044.131347804 [ sid 24 start 10038.355418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 5.775929469 SUCCESS  
10249.611971879 [ sid 25 start 10141.048318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 108.56365335 SUCCESS  
11318.392712631 [ sid 26 start 10499.69558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 818.697122881 SUCCESS  
11630.589102694 [ sid 27 start 11366.246374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 264.342728007 SUCCESS  
12314.168491334 [ sid 28 start 11683.518597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 630.649893938 SUCCESS  
13740.985491939 [ sid 29 start 12414.040923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1326.944568873 SUCCESS

```

13946.789064599 [ sid 30 start 13773.797778918 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 172.991285681 SUCCESS
14141.483794312 [ sid 31 start 13961.766812982 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 179.71698133 SUCCESS
14430.602422504 [ sid 32 start 14167.897587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 262.704835036 SUCCESS
15038.401027417 [ sid 33 start 14441.285056407 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 597.11597101 SUCCESS
15709.559073189 [ sid 34 start 15062.143843716 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 647.415229473 SUCCESS
15950.589684917 [ sid 35 start 15880.140606056 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 70.449078861 SUCCESS
16254.236026583 [ sid 36 start 16049.087497518 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 205.148529065 SUCCESS
16774.138451047 [ sid 37 start 16288.462338285 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 485.676112762 SUCCESS
16936.874174039 [ sid 38 start 16920.674159191 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 16.200014848 SUCCESS
16943.389152646 [ sid 39 start 16937.612937837 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 5.776214809 SUCCESS
17064.003871141 [ sid 40 start 16993.484501217 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 70.519369924 SUCCESS
17120.021889187 [ sid 41 start 17114.245979554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 5.775909633 SUCCESS
17200.474506356 [ sid 42 start 17156.707142326 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 43.76736403 SUCCESS
17231.644000145 [ sid 43 start 17219.90433237 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 11.739667775 SUCCESS
18843.867308952 [ sid 44 start 17328.521127974 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 1515.346180978SUCCESS
19174.105832084 [ sid 45 start 18937.287982012 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 236.817850072 SUCCESS
19814.705932917 [ sid 46 start 19351.689631871 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 463.016301046 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 312053 events, 1562 ms, 208 Kevt/s
-----
```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 3                2:1(2)          -    100    - 2 3
~# 1:1   | *> 2                2:1(2)          -    100    - 2
~# 1:1   | *> 1                self            -     -     - i
.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1   | *> 3                self            -     -     - i
~# 3:1   | *> 2                3:2(1)         -     -     - 2 i
~# 3:1   | *> 1                1:1(1)         -     -     - 1

```

```

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *>  3                self            -      -      - i
~# 3:2  | *>  2                2:1(1)         -      -      - 2
~# 3:2  | *>  1                3:1(2)         -      -      - 1
i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  3                3:2(2)         -      -      - 3
~# 2:1  | *>  2                self            -      -      - i
~# 2:1  | *>  1                1:1(2)         -      -      - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

```
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.234 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

115.440152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 55.023478446 SUCCESS
133.32731332 [ sid 1 start 125.151263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 8.176050014 SUCCESS
369.504442876 [ sid 2 start 140.611403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 228.893038898 SUCCESS
523.463614781 [ sid 3 start 411.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 111.862163412 SUCCESS
555.377300552 [ sid 4 start 544.472649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 10.904651034 SUCCESS
843.016270426 [ sid 5 start 832.113006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 10.903264011 SUCCESS
1916.120670486 [ sid 6 start 931.03704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 985.083630406 SUCCESS
2290.901917531 [ sid 7 start 1965.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 325.560108184 SUCCESS
4375.203894178 [ sid 8 start 2325.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 2049.814275765 SUCCESS
4410.860057442 [ sid 9 start 4402.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 8.175656337 SUCCESS
4495.585280077 [ sid 10 start 4447.783447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 47.801832746 SUCCESS
4575.795211475 [ sid 11 start 4556.081032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 19.714178626 SUCCESS
5295.001282226 [ sid 12 start 4732.722964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 562.278318014 SUCCESS
5860.895714123 [ sid 13 start 5309.426786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 551.468927537 SUCCESS
6703.712395373 [ sid 14 start 5862.113378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 841.599016789 SUCCESS
6821.87415003 [ sid 15 start 6737.516123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 84.358026851 SUCCESS
7700.04263393 [ sid 16 start 7457.36783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 242.67480219 SUCCESS
8093.082927465 [ sid 17 start 7718.173290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 374.90963735 SUCCESS
8736.676187352 [ sid 18 start 8151.473229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 585.202957696 SUCCESS
8979.156452397 [ sid 19 start 8768.263644518 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 210.892807879 SUCCESS
9822.92216496 [ sid 20 start 9019.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 802.981810913 SUCCESS
10203.462692886 [ sid 21 start 10099.341543948 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 104.121148938 SUCCESS
10620.193954223 [ sid 22 start 10427.794483104 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 192.399471119 SUCCESS
10712.442823065 [ sid 23 start 10704.267429179 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 2369B seconds: 8.175393886 SUCCESS
10868.931347804 [ sid 24 start 10860.755418335 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3071B seconds: 8.175929469 SUCCESS
```

```

11103.211971879 [ sid 25 start 10965.848318529 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 137.36365335 SUCCESS
12258.392712631 [ sid 26 start 11353.29558975 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 905.097122881 SUCCESS
12588.189102694 [ sid 27 start 12306.246374687 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 6 total: 28005B seconds: 281.942728007 SUCCESS
13327.768491334 [ sid 28 start 12641.118597396 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 686.649893938 SUCCESS
14875.385491939 [ sid 29 start 13427.640923066 ] clnt 1:2 srv 2:2(0) #pages:
23 #objects: 39 total: 787096B seconds: 1447.744568873 SUCCESS
15105.189064599 [ sid 30 start 14908.197778918 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 196.991285681 SUCCESS
15316.683794312 [ sid 31 start 15120.166812982 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 196.51698133 SUCCESS
15633.002422504 [ sid 32 start 15343.097587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 289.904835036 SUCCESS
16310.401027417 [ sid 33 start 15643.685056407 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 666.71597101 SUCCESS
17071.159073189 [ sid 34 start 16334.143843716 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 737.015229473 SUCCESS
17340.189684917 [ sid 35 start 17241.740606056 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 98.449078861 SUCCESS
17670.236026583 [ sid 36 start 17438.687497518 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 231.548529065 SUCCESS
18323.738451047 [ sid 37 start 17704.462338285 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 619.276112762 SUCCESS
18492.874174039 [ sid 38 start 18470.274159191 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 22.600014848 SUCCESS
18501.789152646 [ sid 39 start 18493.612937837 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 8.176214809 SUCCESS
18634.403871141 [ sid 40 start 18551.884501217 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 82.519369924 SUCCESS
18692.821889187 [ sid 41 start 18684.645979554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 8.175909633 SUCCESS
18790.074506356 [ sid 42 start 18729.507142326 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 60.56736403 SUCCESS
18826.044000145 [ sid 43 start 18809.50433237 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 16.539667775 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 309227 events, 1453 ms, 222 Kevt/s
-----
```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 3 2:1(2) - 100 - 2 3
~# 1:1 | *> 2 2:1(2) - 100 - 2
~# 1:1 | *> 1 self - - - i
.....
..... bgp@3:1 wrap-up .....
.....
~# 3:1 --- Loc-RIB at bgp@3:1:
~# 3:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 3 self - - - i
~# 3:1 | *> 2 3:2(1) - - - 2 i
~# 3:1 | *> 1 1:1(1) - - - 1

```

```

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *>  3                self            -      -      - i
~# 3:2  | *>  2                2:1(1)         -      -      - 2
~# 3:2  | *>  1                3:1(2)         -      -      - 1 i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  3                3:2(2)         -      -      - 3
~# 2:1  | *>  2                self            -      -      - i
~# 2:1  | *>  1                1:1(2)         -      -      - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes

```



```
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

133.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 72.623478446 SUCCESS
157.52731332 [ sid 1 start 142.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 14.776050014 SUCCESS
435.504442876 [ sid 2 start 164.811403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 270.693038898 SUCCESS
642.263614781 [ sid 3 start 477.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 164.662163412 SUCCESS
682.977300552 [ sid 4 start 663.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 19.704651034 SUCCESS
979.416270426 [ sid 5 start 959.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 19.703264011 SUCCESS
2290.120670486 [ sid 6 start 1067.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1222.683630406 SUCCESS
2730.901917531 [ sid 7 start 2339.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 391.560108184 SUCCESS
5365.203894178 [ sid 8 start 2765.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 2599.814275765 SUCCESS
5407.460057442 [ sid 9 start 5392.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 14.775656337 SUCCESS
5505.385280077 [ sid 10 start 5444.383447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 61.001832746 SUCCESS
5600.995211475 [ sid 11 start 5565.881032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 35.114178626 SUCCESS
6485.201282226 [ sid 12 start 5757.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 727.278318014 SUCCESS
7077.495714123 [ sid 13 start 6499.626786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 577.868927537 SUCCESS
8102.912395373 [ sid 14 start 7078.713378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 1024.199016789 SUCCESS
8260.67415003 [ sid 15 start 8136.716123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 123.958026851 SUCCESS
9211.44263393 [ sid 16 start 8896.16783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 315.27480219 SUCCESS
9811.282927465 [ sid 17 start 9229.573290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 581.70963735 SUCCESS
10560.476187352 [ sid 18 start 9869.673229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 690.802957696 SUCCESS
10871.156452397 [ sid 19 start 10592.063644518 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 8 total: 95428B seconds: 279.092807879 SUCCESS
11950.32216496 [ sid 20 start 10911.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 1038.381810913 SUCCESS
12412.262692886 [ sid 21 start 12226.741543948 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 88926B seconds: 185.521148938 SUCCESS
12875.193954223 [ sid 22 start 12636.594483104 ] clnt 1:2 srv 2:2(0) #pages:
4 #objects: 6 total: 23392B seconds: 238.599471119 SUCCESS
12974.042823065 [ sid 23 start 12959.267429179 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 2369B seconds: 14.775393886 SUCCESS
13137.131347804 [ sid 24 start 13122.355418335 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3071B seconds: 14.775929469 SUCCESS
13450.611971879 [ sid 25 start 13234.048318529 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 216.56365335 SUCCESS
```

```

14843.392712631 [ sid 26 start 13700.69558975 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 1142.697122881 SUCCESS
15221.589102694 [ sid 27 start 14891.246374687 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 6 total: 28005B seconds: 330.342728007 SUCCESS
16115.168491334 [ sid 28 start 15274.518597396 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 840.649893938 SUCCESS
17994.985491939 [ sid 29 start 16215.040923066 ] clnt 1:2 srv 2:2(0) #pages:
23 #objects: 39 total: 787096B seconds: 1779.944568873 SUCCESS
18290.789064599 [ sid 30 start 18027.797778918 ] clnt 1:2 srv 2:2(0) #pages:
3 #objects: 8 total: 57958B seconds: 262.991285681 SUCCESS
18548.483794312 [ sid 31 start 18305.766812982 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 5 total: 85804B seconds: 242.71698133 SUCCESS
18939.602422504 [ sid 32 start 18574.897587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 364.704835036 SUCCESS
19808.401027417 [ sid 33 start 18950.285056407 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 858.11597101 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 288757 events, 1468 ms, 205 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 3                2:1(2)          -      100      - 2 3
~# 1:1   | *> 2                2:1(2)          -      100      - 2
~# 1:1   | *> 1                self            -      -        - i

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1   | *> 3                self            -      -        - i
~# 3:1   | *> 2                3:2(1)         -      -        - 2 i
~# 3:1   | *> 1                1:1(1)         -      -        - 1

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2    --- Loc-RIB at bgp@3:2:
~# 3:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2   | *> 3                self            -      -        - i
~# 3:2   | *> 2                2:1(1)         -      -        - 2
~# 3:2   | *> 1                3:1(2)         -      -        - 1 i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1   | *> 3                3:2(2)         -      -        - 3
~# 2:1   | *> 2                self            -      -        - i
~# 2:1   | *> 1                1:1(2)         -      -        - 1

```

## 2.3. BGP-C2 EN T2

**Tabla 13.** Paquetes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 2. BGP-C2 en t2

P. Recibidos	P. Perdidos	Tasa de Perdida
57	0	0
56	1	0.017543859
54	3	0.052631578
44	13	0.228070175
29	28	0.491228070

**Tabla 14.** Bytes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 2. BGP-C2 en t2

B. Recibidos	B. Perdidos	Tasa de Perdida
8,609,218	0	0
8,395,042	214,176	0.02487752
8,143,829	465,389	0.054057058
5,031,079	3,578,139	0.415617190
3,131,641	5,477,577	0.636245591

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26      0x00000000
0            0.0.0.24/29     0x00000018   1
0/0         0.0.0.24/30     0x00000018
1           0.0.0.0/28      0x00000000   3
1/0        0.0.0.4/30      0x00000004
1/1        0.0.0.0/30      0x00000000
2           0.0.0.16/29     0x00000010   2
3           0.0.0.52/30     0x00000034   1:1 (1) 3:1 (1)
4           0.0.0.48/30     0x00000030   3:1 (2) 3:2 (1)
5           0.0.0.44/30     0x0000002c   3:2 (2) 2:1 (1)
6           0.0.0.40/30     0x00000028   2:1 (3) 2:2 (0)
7           0.0.0.36/30     0x00000024   2:1 (2) 1:1 (2)
8           0.0.0.32/30     0x00000020   1:1 (3) 1:2 (0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --
1                0                   0.0.0.0/26          90.625
2                2                   0.0.0.24/29         75.0
3                1                   0.0.0.16/29         75.0

```

```
**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

96.240152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 35.823478446 SUCCESS
106.92731332 [ sid 1 start 105.951263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 0.976050014 SUCCESS
297.504487889 [ sid 2 start 114.211403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 183.293083911 SUCCESS
393.863659794 [ sid 3 start 339.601496382 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 54.262163412 SUCCESS
416.177345565 [ sid 4 start 414.872694531 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.304651034 SUCCESS
694.216315439 [ sid 5 start 692.913051428 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.303264011 SUCCESS
1508.120715499 [ sid 6 start 782.237085093 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 725.883630406 SUCCESS
1810.901962544 [ sid 7 start 1557.34185436 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 253.560108184 SUCCESS
3295.203939191 [ sid 8 start 1845.389663426 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1449.814275765 SUCCESS
3323.660102455 [ sid 9 start 3322.684446118 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 0.975656337 SUCCESS
3393.98532509 [ sid 10 start 3360.583492344 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 33.401832746 SUCCESS
3457.395256488 [ sid 11 start 3454.481077862 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 2.914178626 SUCCESS
3996.601327239 [ sid 12 start 3614.323009225 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 382.278318014 SUCCESS
4533.695759136 [ sid 13 start 4011.026831599 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 522.668927537 SUCCESS
5177.312440386 [ sid 14 start 4534.913423597 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 642.399016789 SUCCESS
5252.274195043 [ sid 15 start 5211.116168192 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 41.158026851 SUCCESS
6051.242678943 [ sid 16 start 5887.767876753 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 163.47480219 SUCCESS
6218.682972478 [ sid 17 start 6069.373335128 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 149.30963735 SUCCESS
6747.076232365 [ sid 18 start 6277.073274669 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 470.002957696 SUCCESS
6915.15649741 [ sid 19 start 6778.663689531 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 136.492807879 SUCCESS
7502.122209973 [ sid 20 start 6955.94039906 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 546.181810913 SUCCESS
7793.862737899 [ sid 21 start 7778.541588961 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 15.321148938 SUCCESS
```

8160.193999236 [ sid 22 start 8018.194528117 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 141.999471119 SUCCESS  
8245.242868078 [ sid 23 start 8244.267474192 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 0.975393886 SUCCESS  
8394.531392817 [ sid 24 start 8393.555463348 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 0.975929469 SUCCESS  
8542.412016892 [ sid 25 start 8491.448363542 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 50.96365335 SUCCESS  
9438.392757644 [ sid 26 start 8792.495634763 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 645.897122881 SUCCESS  
9715.389147707 [ sid 27 start 9486.2464197 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 229.142728007 SUCCESS  
10286.968536347 [ sid 28 start 9768.318642409 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 518.649893938 SUCCESS  
11472.185536952 [ sid 29 start 10386.840968079 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1085.344568873 SUCCESS  
11629.989109612 [ sid 30 start 11504.997823931 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 124.991285681 SUCCESS  
11791.083839325 [ sid 31 start 11644.966857995 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 146.11698133 SUCCESS  
12025.802467517 [ sid 32 start 11817.497632481 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 208.304835036 SUCCESS  
12494.40107243 [ sid 33 start 12036.48510142 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 457.91597101 SUCCESS  
12986.359118202 [ sid 34 start 12518.143888729 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 30 total: 221354B seconds: 468.215229473 SUCCESS  
13171.38972993 [ sid 35 start 13156.940651069 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 14.449078861 SUCCESS  
13422.236071596 [ sid 36 start 13269.887542531 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 9 total: 78373B seconds: 152.348529065 SUCCESS  
13674.93849606 [ sid 37 start 13456.462383298 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 218.476112762 SUCCESS  
13824.874219052 [ sid 38 start 13821.474204204 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 20651B seconds: 3.400014848 SUCCESS  
13826.589197659 [ sid 39 start 13825.61298285 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 0.976214809 SUCCESS  
13923.203916154 [ sid 40 start 13876.68454623 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 46.519369924 SUCCESS  
13974.4219342 [ sid 41 start 13973.446024567 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 0.975909633 SUCCESS  
14021.274551369 [ sid 42 start 14011.107187339 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 5 total: 60854B seconds: 10.16736403 SUCCESS  
14042.844045158 [ sid 43 start 14040.704377383 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 2 total: 5292B seconds: 2.139667775 SUCCESS  
15007.067353965 [ sid 44 start 14139.721172987 ] clnt 1:2 srv 2:2(0) #pages:  
15 #objects: 106 total: 2134392B seconds: 867.346180978 SUCCESS  
15273.305877097 [ sid 45 start 15100.488027025 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 204909B seconds: 172.817850072 SUCCESS  
15781.10597793 [ sid 46 start 15450.889676884 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 22 total: 394361B seconds: 330.216301046 SUCCESS  
16012.156425894 [ sid 47 start 16002.664932931 ] clnt 1:2 srv 2:2(0) #pages:  
1 #objects: 7 total: 39661B seconds: 9.491492963 SUCCESS  
16761.516900311 [ sid 48 start 16085.409045127 ] clnt 1:2 srv 2:2(0) #pages:  
11 #objects: 13 total: 69620B seconds: 676.107855184 SUCCESS  
17200.531121425 [ sid 49 start 16895.924150611 ] clnt 1:2 srv 2:2(0) #pages:  
10 #objects: 15 total: 88251B seconds: 304.606970814 SUCCESS

```

17678.983261395 [ sid 50 start 17499.565545411 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 179.417715984 SUCCESS
17802.24811555 [ sid 51 start 17799.796297444 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 6889B seconds: 2.451818106 SUCCESS
17916.675861782 [ sid 52 start 17896.712642364 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 19.963219418 SUCCESS
17965.292376822 [ sid 53 start 17963.133076426 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 2.159300396 SUCCESS
18512.037938064 [ sid 54 start 18000.138270166 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 511.899667898 SUCCESS
18517.649273044 [ sid 55 start 18513.221646713 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 3 total: 21543B seconds: 4.427626331 SUCCESS
19890.232188278 [ sid 56 start 18543.643747856 ] clnt 1:2 srv 2:2(0) #pages:
21 #objects: 32 total: 214176B seconds: 1346.588440422 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 315170 events, 1687 ms, 192 Kevt/s
-----

```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *>    3                3:1(1)          -    100    - 3
~# 1:1   | *>    2                3:1(1)          -    100    - 3 2
~# 1:1   | *>    1                self             -     -    - i

```

```

.....
.....          bgp@3:1 wrap-up          .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1   | *>    3                self             -     -    - i
~# 3:1   | *>    2                3:2(1)          -     -    - 2 i
~# 3:1   | *>    1                1:1(1)          -     -    - 1

```

```

.....
.....          bgp@3:2 wrap-up          .....
.....
~# 3:2    --- Loc-RIB at bgp@3:2:
~# 3:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2   | *>    3                self             -     -    - i
~# 3:2   | *>    2                2:1(1)          -     -    - 2
~# 3:2   | *>    1                3:1(2)          -     -    - 1
i

```

```

.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1   | *>    3                3:2(2)          -     -    - 3
~# 2:1   | *>    2                self             -     -    - i
~# 2:1   | *>    1                1:1(2)          -     -    - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

```

97.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 36.623478446 SUCCESS
108.02731332 [ sid 1 start 106.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 1.276050014 SUCCESS
300.504442876 [ sid 2 start 115.311403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 185.193038898 SUCCESS
399.263614781 [ sid 3 start 342.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 56.662163412 SUCCESS
421.977300552 [ sid 4 start 420.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 1.704651034 SUCCESS
700.416270426 [ sid 5 start 698.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 1.703264011 SUCCESS

```

1525.120670486 [ sid 6 start 788.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 736.683630406 SUCCESS  
1830.901917531 [ sid 7 start 1574.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 256.560108184 SUCCESS  
3340.203894178 [ sid 8 start 1865.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 1474.814275765 SUCCESS  
3368.960057442 [ sid 9 start 3367.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 1.275656337 SUCCESS  
3439.885280077 [ sid 10 start 3405.883447331 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 34.001832746 SUCCESS  
3503.995211475 [ sid 11 start 3500.381032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 3.614178626 SUCCESS  
4050.701312743 [ sid 12 start 3660.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 389.778348531 SUCCESS  
4588.99574464 [ sid 13 start 4065.126817103 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 523.868927537 SUCCESS  
5240.91242589 [ sid 14 start 4590.213409101 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 650.699016789 SUCCESS  
5317.674180547 [ sid 15 start 5274.716153696 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 42.958026851 SUCCESS  
6119.942664447 [ sid 16 start 5953.167862257 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 166.77480219 SUCCESS  
6296.782957982 [ sid 17 start 6138.073320632 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 158.70963735 SUCCESS  
6829.976217869 [ sid 18 start 6355.173260173 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 474.802957696 SUCCESS  
7001.156482914 [ sid 19 start 6861.563675035 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 139.592807879 SUCCESS  
7598.82224049 [ sid 20 start 7041.940384564 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 556.881855926 SUCCESS  
7894.262768416 [ sid 21 start 7875.241619478 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 19.021148938 SUCCESS  
8262.694029753 [ sid 22 start 8118.594558634 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 144.099471119 SUCCESS  
8348.042898595 [ sid 23 start 8346.767504709 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 1.275393886 SUCCESS  
8497.631423334 [ sid 24 start 8496.355493865 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 1.275929469 SUCCESS  
8649.112047409 [ sid 25 start 8594.548394059 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 54.56365335 SUCCESS  
9555.892788161 [ sid 26 start 8899.19566528 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 656.697122881 SUCCESS  
9835.089178224 [ sid 27 start 9603.746450217 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 231.342728007 SUCCESS  
10413.668566864 [ sid 28 start 9888.018672926 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 19 total: 133798B seconds: 525.649893938 SUCCESS  
11613.985567469 [ sid 29 start 10513.540998596 ] clnt 1:2 srv 2:2(0) #pages:  
23 #objects: 39 total: 787096B seconds: 1100.444568873 SUCCESS  
11774.789140129 [ sid 30 start 11646.797854448 ] clnt 1:2 srv 2:2(0) #pages:  
3 #objects: 8 total: 57958B seconds: 127.991285681 SUCCESS  
11937.983869842 [ sid 31 start 11789.766888512 ] clnt 1:2 srv 2:2(0) #pages:  
5 #objects: 5 total: 85804B seconds: 148.21698133 SUCCESS  
12176.102498034 [ sid 32 start 11964.397662998 ] clnt 1:2 srv 2:2(0) #pages:  
6 #objects: 11 total: 32526B seconds: 211.704835036 SUCCESS  
12653.401102947 [ sid 33 start 12186.785131937 ] clnt 1:2 srv 2:2(0) #pages:  
12 #objects: 22 total: 187363B seconds: 466.61597101 SUCCESS



```

13156.559148719 [ sid 34 start 12677.143919246 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 479.415229473 SUCCESS
13345.089760447 [ sid 35 start 13327.140681586 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 17.949078861 SUCCESS
13599.236102113 [ sid 36 start 13443.587573048 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 155.648529065 SUCCESS
13868.638526577 [ sid 37 start 13633.462413815 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 235.176112762 SUCCESS
14019.374249569 [ sid 38 start 14015.174234721 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 4.200014848 SUCCESS
14021.389228176 [ sid 39 start 14020.113013367 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 1.276214809 SUCCESS
14119.503946671 [ sid 40 start 14071.484576747 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 48.019369924 SUCCESS
14171.021964717 [ sid 41 start 14169.746055084 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 1.275909633 SUCCESS
14219.974581886 [ sid 42 start 14207.707217856 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 12.26736403 SUCCESS
14242.144075675 [ sid 43 start 14239.4044079 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 2.739667775 SUCCESS
15246.867384482 [ sid 44 start 14339.021203504 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 907.846180978 SUCCESS
15517.105907614 [ sid 45 start 15340.288057542 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 176.817850072 SUCCESS
16033.206008447 [ sid 46 start 15694.689707401 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 338.516301046 SUCCESS
16266.756456411 [ sid 47 start 16254.764963448 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 7 total: 39661B seconds: 11.991492963 SUCCESS
17020.616930828 [ sid 48 start 16340.009075644 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 680.607855184 SUCCESS
17465.031151942 [ sid 49 start 17155.024181128 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 310.006970814 SUCCESS
17947.483291912 [ sid 50 start 17764.065575928 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 183.417715984 SUCCESS
18071.448146067 [ sid 51 start 18068.296327961 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 3.151818106 SUCCESS
18190.575892299 [ sid 52 start 18165.912672881 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 24.663219418 SUCCESS
18239.792407339 [ sid 53 start 18237.033106943 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 2.759300396 SUCCESS
18799.837968581 [ sid 54 start 18274.638300683 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 36 total: 229670B seconds: 525.199667898 SUCCESS
18806.649303561 [ sid 55 start 18801.02167723 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 3 total: 21543B seconds: 5.627626331 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 315297 events, 1578 ms, 207 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 3                3:1(1)                -    100    - 3
~# 1:1    | *> 2                3:1(1)                -    100    - 3 2
~# 1:1    | *> 1                self                   -    -      - i

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 3                self            -         -         - i
~# 3:1  | *> 2                3:2(1)         -         -         - 2 i
~# 3:1  | *> 1                1:1(1)         -         -         - 1
.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self            -         -         - i
~# 3:2  | *> 2                2:1(1)         -         -         - 2
~# 3:2  | *> 1                3:1(2)         -         -         - 1 i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)         -         -         - 3
~# 2:1  | *> 2                self            -         -         - i
~# 2:1  | *> 1                1:1(2)         -         -         - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
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|      (http://www.renesys.com/raceway\_free\_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625

1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.235 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```
01.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 40.623478446 SUCCESS
113.52731332 [ sid 1 start 110.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 2.776050014 SUCCESS
315.504442876 [ sid 2 start 120.811403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 194.693038898 SUCCESS
426.263614781 [ sid 3 start 357.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 68.662163412 SUCCESS
450.977300552 [ sid 4 start 447.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 3.704651034 SUCCESS
731.416270426 [ sid 5 start 727.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 3.703264011 SUCCESS
1610.120670486 [ sid 6 start 819.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 790.683630406 SUCCESS
1930.901917531 [ sid 7 start 1659.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 271.560108184 SUCCESS
3565.203894178 [ sid 8 start 1965.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 1599.814275765 SUCCESS
3595.460057442 [ sid 9 start 3592.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 2.775656337 SUCCESS
3669.385280077 [ sid 10 start 3632.383447331 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 37.001832746 SUCCESS
3736.995211475 [ sid 11 start 3729.881032849 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 7.114178626 SUCCESS
4321.201282226 [ sid 12 start 3893.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 427.278318014 SUCCESS
4865.495714123 [ sid 13 start 4335.626786586 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 529.868927537 SUCCESS
5558.912395373 [ sid 14 start 4866.713378584 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 692.199016789 SUCCESS
5644.67415003 [ sid 15 start 5592.716123179 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 51.958026851 SUCCESS
6463.44263393 [ sid 16 start 6280.16783174 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 183.27480219 SUCCESS
6687.282927465 [ sid 17 start 6481.573290115 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762B seconds: 205.70963735 SUCCESS
7244.476187352 [ sid 18 start 6745.673229656 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 498.802957696 SUCCESS
7431.156452397 [ sid 19 start 7276.063644518 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 155.092807879 SUCCESS
```

8082.32216496 [ sid 20 start 7471.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 610.381810913 SUCCESS  
8396.262692886 [ sid 21 start 8358.741543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 37.521148938 SUCCESS  
8775.193954223 [ sid 22 start 8620.594483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 154.599471119 SUCCESS  
8862.042823065 [ sid 23 start 8859.267429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 2.775393886 SUCCESS  
9013.131347804 [ sid 24 start 9010.355418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 2.775929469 SUCCESS  
9182.611971879 [ sid 25 start 9110.048318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 72.56365335 SUCCESS  
10143.392712631 [ sid 26 start 9432.69558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 710.697122881 SUCCESS  
10433.589102694 [ sid 27 start 10191.246374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 242.342728007 SUCCESS  
11047.168491334 [ sid 28 start 10486.518597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 560.649893938 SUCCESS  
12322.985491939 [ sid 29 start 11147.040923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1175.944568873 SUCCESS  
12498.789064599 [ sid 30 start 12355.797778918 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 142.991285681 SUCCESS  
12672.483794312 [ sid 31 start 12513.766812982 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 158.71698133 SUCCESS  
12927.602422504 [ sid 32 start 12698.897587468 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 32526B seconds: 228.704835036 SUCCESS  
13448.401027417 [ sid 33 start 12938.285056407 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 22 total: 187363B seconds: 510.11597101 SUCCESS  
14007.559073189 [ sid 34 start 13472.143843716 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 30 total: 221354B seconds: 535.415229473 SUCCESS  
14213.589684917 [ sid 35 start 14178.140606056 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 49254B seconds: 35.449078861 SUCCESS  
14484.236026583 [ sid 36 start 14312.087497518 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 9 total: 78373B seconds: 172.148529065 SUCCESS  
14837.138451047 [ sid 37 start 14518.462338285 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 47 total: 275582B seconds: 318.676112762 SUCCESS  
14991.874174039 [ sid 38 start 14983.674159191 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 20651B seconds: 8.200014848 SUCCESS  
14995.389152646 [ sid 39 start 14992.612937837 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3445B seconds: 2.776214809 SUCCESS  
15101.003871141 [ sid 40 start 15045.484501217 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 4 total: 30841B seconds: 55.519369924 SUCCESS  
15154.021889187 [ sid 41 start 15151.245979554 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3045B seconds: 2.775909633 SUCCESS  
15213.474506356 [ sid 42 start 15190.707142326 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 5 total: 60854B seconds: 22.76736403 SUCCESS  
15238.644000145 [ sid 43 start 15232.90433237 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 5292B seconds: 5.739667775 SUCCESS  
16445.867308952 [ sid 44 start 15335.521127974 ] clnt 1:2 srv 2:2(0) #pages: 15  
#objects: 106 total: 2134392B seconds: 1110.346180978SUCCESS  
16736.105832084 [ sid 45 start 16539.287982012 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 11 total: 204909B seconds: 196.817850072 SUCCESS  
17293.705932917 [ sid 46 start 16913.689631871 ] clnt 1:2 srv 2:2(0) #pages: 10  
#objects: 22 total: 394361B seconds: 380.016301046 SUCCESS  
17539.756380881 [ sid 47 start 17515.264887918 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 7 total: 39661B seconds: 24.491492963 SUCCESS

```

18316.116855298 [ sid 48 start 17613.009000114 ] clnt 1:2 srv 2:2(0) #pages:
11 #objects: 13 total: 69620B seconds: 703.107855184 SUCCESS
18787.531076412 [ sid 49 start 18450.524105598 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 15 total: 88251B seconds: 337.006970814 SUCCESS
19289.983216382 [ sid 50 start 19086.565500398 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 11 total: 73667B seconds: 203.417715984 SUCCESS
19417.448070537 [ sid 51 start 19410.796252431 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 6889B seconds: 6.651818106 SUCCESS
19560.075816769 [ sid 52 start 19511.912597351 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 13 total: 96062B seconds: 48.163219418 SUCCESS
19612.292331809 [ sid 53 start 19606.533031413 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 4938B seconds: 5.759300396 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 314267 events, 1687 ms, 191 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 3                3:1(1)                -      100      - 3
~# 1:1   | *> 2                3:1(1)                -      100      - 3 2
~# 1:1   | *> 1                self                   -      -        - i

```

```

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1   | *> 3                self                   -      -        - i
~# 3:1   | *> 2                3:2(1)                -      -        - 2 i
~# 3:1   | *> 1                1:1(1)                -      -        - 1

```

```

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2    --- Loc-RIB at bgp@3:2:
~# 3:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2   | *> 3                self                   -      -        - i
~# 3:2   | *> 2                2:1(1)                -      -        - 2
~# 3:2   | *> 1                3:1(2)                -      -        - 1 i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1   | *> 3                3:2(2)                -      -        - 3
~# 2:1   | *> 2                self                   -      -        - i
~# 2:1   | *> 1                1:1(2)                -      -        - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.24/29	0x00000018	1
0/0	0.0.0.24/30	0x00000018	
1	0.0.0.0/28	0x00000000	3
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.16/29	0x00000010	2
2/0	0.0.0.16/30	0x00000010	
2/1	0.0.0.16/30	0x00000010	
3	0.0.0.52/30	0x00000034	1:1(1) 3:1(1)
4	0.0.0.48/30	0x00000030	3:1(2) 3:2(1)
5	0.0.0.44/30	0x0000002c	3:2(2) 2:1(1)
6	0.0.0.40/30	0x00000028	2:1(3) 2:2(0)
7	0.0.0.36/30	0x00000024	2:1(2) 1:1(2)
8	0.0.0.32/30	0x00000020	1:1(3) 1:2(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.24/29	75.0
2	2	0.0.0.16/29	75.0
3	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.234 seconds

\*\* Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

```

109.040152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 48.623478446 SUCCESS
124.52731332 [ sid 1 start 118.751263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 5.776050014 SUCCESS
345.504442876 [ sid 2 start 131.811403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 213.693038898 SUCCESS
480.263614781 [ sid 3 start 387.601451369 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 92.662163412 SUCCESS

```

508.977300552 [ sid 4 start 501.272649518 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 9138B seconds: 7.704651034 SUCCESS  
793.416270426 [ sid 5 start 785.713006415 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 7360B seconds: 7.703264011 SUCCESS  
1780.120670486 [ sid 6 start 881.43704008 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 32 total: 137513B seconds: 898.683630406 SUCCESS  
2130.901917531 [ sid 7 start 1829.341809347 ] clnt 1:2 srv 2:2(0) #pages: 7  
#objects: 9 total: 42462B seconds: 301.560108184 SUCCESS  
4015.203894178 [ sid 8 start 2165.389618413 ] clnt 1:2 srv 2:2(0) #pages: 30  
#objects: 67 total: 666388B seconds: 1849.814275765 SUCCESS  
4048.460057442 [ sid 9 start 4042.684401105 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2713B seconds: 5.775656337 SUCCESS  
4128.385280077 [ sid 10 start 4085.383447331 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 2 total: 4938B seconds: 43.001832746 SUCCESS  
4202.995211475 [ sid 11 start 4188.881032849 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 2 total: 8925B seconds: 14.114178626 SUCCESS  
4862.201282226 [ sid 12 start 4359.922964212 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 19 total: 295255B seconds: 502.278318014 SUCCESS  
5418.495714123 [ sid 13 start 4876.626786586 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 3 total: 15182B seconds: 541.868927537 SUCCESS  
6194.912395373 [ sid 14 start 5419.713378584 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 23 total: 185182B seconds: 775.199016789 SUCCESS  
6298.67415003 [ sid 15 start 6228.716123179 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 5 total: 26838B seconds: 69.958026851 SUCCESS  
7150.44263393 [ sid 16 start 6934.16783174 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 10 total: 36894B seconds: 216.27480219 SUCCESS  
7468.282927465 [ sid 17 start 7168.573290115 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 27 total: 145762B seconds: 299.70963735 SUCCESS  
8073.476187352 [ sid 18 start 7526.673229656 ] clnt 1:2 srv 2:2(0) #pages: 8  
#objects: 12 total: 206518B seconds: 546.802957696 SUCCESS  
8291.156452397 [ sid 19 start 8105.063644518 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 8 total: 95428B seconds: 186.092807879 SUCCESS  
9049.32216496 [ sid 20 start 8331.940354047 ] clnt 1:2 srv 2:2(0) #pages: 9  
#objects: 26 total: 395033B seconds: 717.381810913 SUCCESS  
9400.262692886 [ sid 21 start 9325.741543948 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 10 total: 88926B seconds: 74.521148938 SUCCESS  
9800.193954223 [ sid 22 start 9624.594483104 ] clnt 1:2 srv 2:2(0) #pages: 4  
#objects: 6 total: 23392B seconds: 175.599471119 SUCCESS  
9890.042823065 [ sid 23 start 9884.267429179 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 2369B seconds: 5.775393886 SUCCESS  
10044.131347804 [ sid 24 start 10038.355418335 ] clnt 1:2 srv 2:2(0) #pages: 1  
#objects: 1 total: 3071B seconds: 5.775929469 SUCCESS  
10249.611971879 [ sid 25 start 10141.048318529 ] clnt 1:2 srv 2:2(0) #pages: 2  
#objects: 10 total: 83791B seconds: 108.56365335 SUCCESS  
11318.392712631 [ sid 26 start 10499.69558975 ] clnt 1:2 srv 2:2(0) #pages: 16  
#objects: 31 total: 185034B seconds: 818.697122881 SUCCESS  
11630.589102694 [ sid 27 start 11366.246374687 ] clnt 1:2 srv 2:2(0) #pages: 6  
#objects: 6 total: 28005B seconds: 264.342728007 SUCCESS  
12314.168491334 [ sid 28 start 11683.518597396 ] clnt 1:2 srv 2:2(0) #pages: 12  
#objects: 19 total: 133798B seconds: 630.649893938 SUCCESS  
13740.985491939 [ sid 29 start 12414.040923066 ] clnt 1:2 srv 2:2(0) #pages: 23  
#objects: 39 total: 787096B seconds: 1326.944568873 SUCCESS  
13946.789064599 [ sid 30 start 13773.797778918 ] clnt 1:2 srv 2:2(0) #pages: 3  
#objects: 8 total: 57958B seconds: 172.991285681 SUCCESS  
14141.483794312 [ sid 31 start 13961.766812982 ] clnt 1:2 srv 2:2(0) #pages: 5  
#objects: 5 total: 85804B seconds: 179.71698133 SUCCESS

```

14430.602422504 [ sid 32 start 14167.897587468 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 32526B seconds: 262.704835036 SUCCESS
15038.401027417 [ sid 33 start 14441.285056407 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 22 total: 187363B seconds: 597.11597101 SUCCESS
15709.559073189 [ sid 34 start 15062.143843716 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 30 total: 221354B seconds: 647.415229473 SUCCESS
15950.589684917 [ sid 35 start 15880.140606056 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 10 total: 49254B seconds: 70.449078861 SUCCESS
16254.236026583 [ sid 36 start 16049.087497518 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 9 total: 78373B seconds: 205.148529065 SUCCESS
16774.138451047 [ sid 37 start 16288.462338285 ] clnt 1:2 srv 2:2(0) #pages:
5 #objects: 47 total: 275582B seconds: 485.676112762 SUCCESS
16936.874174039 [ sid 38 start 16920.674159191 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 2 total: 20651B seconds: 16.200014848 SUCCESS
16943.389152646 [ sid 39 start 16937.612937837 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3445B seconds: 5.776214809 SUCCESS
17064.003871141 [ sid 40 start 16993.484501217 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 4 total: 30841B seconds: 70.519369924 SUCCESS
17120.021889187 [ sid 41 start 17114.245979554 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 1 total: 3045B seconds: 5.775909633 SUCCESS
17200.474506356 [ sid 42 start 17156.707142326 ] clnt 1:2 srv 2:2(0) #pages:
1 #objects: 5 total: 60854B seconds: 43.76736403 SUCCESS
17231.644000145 [ sid 43 start 17219.90433237 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 5292B seconds: 11.739667775 SUCCESS
18843.867308952 [ sid 44 start 17328.521127974 ] clnt 1:2 srv 2:2(0) #pages:
15 #objects: 106 total: 2134392B seconds: 1515.346180978SUCCESS
19174.105832084 [ sid 45 start 18937.287982012 ] clnt 1:2 srv 2:2(0) #pages:
6 #objects: 11 total: 204909B seconds: 236.817850072 SUCCESS
19814.705932917 [ sid 46 start 19351.689631871 ] clnt 1:2 srv 2:2(0) #pages:
10 #objects: 22 total: 394361B seconds: 463.016301046 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 312061 events, 1625 ms, 199 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 3                3:1(1)          -      100      - 3
~# 1:1 | *> 2                3:1(1)          -      100      - 3 2
~# 1:1 | *> 1                self            -      -        - i
.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1    --- Loc-RIB at bgp@3:1:
~# 3:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1 | *> 3                self            -      -        - i
~# 3:1 | *> 2                3:2(1)          -      -        - 2 i
~# 3:1 | *> 1                1:1(1)          -      -        - 1

```



```

.....
.....          bgp@3:2 wrap-up          .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self                -      -      - i
~# 3:2  | *> 2                2:1(1)            -      -      - 2
~# 3:2  | *> 1                3:1(2)            -      -      - 1 i
.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)            -      -      - 3
~# 2:1  | *> 2                self                -      -      - i
~# 2:1  | *> 1                1:1(2)            -      -      - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway\_free\_license.html)
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26          0x00000000
0           0.0.0.24/29          0x00000018    1
0/0        0.0.0.24/30          0x00000018
1           0.0.0.0/28            0x00000000    3
1/0        0.0.0.4/30           0x00000004
1/1        0.0.0.0/30           0x00000000
2           0.0.0.16/29          0x00000010    2
3           0.0.0.52/30          0x00000034    1:1(1) 3:1(1)
4           0.0.0.48/30          0x00000030    3:1(2) 3:2(1)
5           0.0.0.44/30          0x0000002c    3:2(2) 2:1(1)
6           0.0.0.40/30          0x00000028    2:1(3) 2:2(0)
7           0.0.0.36/30          0x00000024    2:1(2) 1:1(2)
8           0.0.0.32/30          0x00000020    1:1(3) 1:2(0)

NHI Addr          CIDR Level          IP Address Block    % util
--           --           0.0.0.0/26          90.625
1           0           0.0.0.24/29          75.0
2           2           0.0.0.16/29          75.0
3           1           0.0.0.0/28           62.5

```

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

```
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.218 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

144.240152167 [ sid 0 start 60.416673721 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 11083B seconds: 83.823478446 SUCCESS
172.92731332 [ sid 1 start 153.951263306 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3229B seconds: 18.976050014 SUCCESS
547.077138784 [ sid 2 start 180.211403978 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 3 total: 332547B seconds: 366.865734806 SUCCESS
793.761439589 [ sid 3 start 589.174147277 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 7 total: 34901B seconds: 204.587292312 SUCCESS
840.07512536 [ sid 4 start 814.770474326 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 9138B seconds: 25.304651034 SUCCESS
1142.114095234 [ sid 5 start 1116.810831223 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 7360B seconds: 25.303264011 SUCCESS
2616.666497814 [ sid 6 start 1230.134864888 ] clnt 1:2 srv 2:2(0) #pages: 16
#objects: 32 total: 137513B seconds: 1386.531632926 SUCCESS
3105.773302515 [ sid 7 start 2665.887636675 ] clnt 1:2 srv 2:2(0) #pages: 7
#objects: 9 total: 42462B seconds: 439.88566584 SUCCESS
6235.573711108 [ sid 8 start 3140.261003397 ] clnt 1:2 srv 2:2(0) #pages: 30
#objects: 67 total: 666388B seconds: 3095.312707711 SUCCESS
6282.029874372 [ sid 9 start 6263.054218035 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2713B seconds: 18.975656337 SUCCESS
6388.355097007 [ sid 10 start 6318.953264261 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 2 total: 4938B seconds: 69.401832746 SUCCESS
6493.765028405 [ sid 11 start 6448.850849779 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 2 total: 8925B seconds: 44.914178626 SUCCESS
7552.525232264 [ sid 12 start 6650.692781142 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 19 total: 295255B seconds: 901.832451122 SUCCESS
8161.619664161 [ sid 13 start 7566.950736624 ] clnt 1:2 srv 2:2(0) #pages: 3
#objects: 3 total: 15182B seconds: 594.668927537 SUCCESS
9341.191894595 [ sid 14 start 8162.837328622 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 23 total: 185182B seconds: 1178.354565973 SUCCESS
9524.159111912 [ sid 15 start 9374.995622401 ] clnt 1:2 srv 2:2(0) #pages: 2
#objects: 5 total: 26838B seconds: 149.163489511 SUCCESS
10521.127595812 [ sid 16 start 10159.652793622 ] clnt 1:2 srv 2:2(0) #pages: 5
#objects: 10 total: 36894B seconds: 361.47480219 SUCCESS
11284.185145448 [ sid 17 start 10539.258251997 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 27 total: 145762Bseconds: 744.926893451 SUCCESS
12151.161077039 [ sid 18 start 11342.575447639 ] clnt 1:2 srv 2:2(0) #pages: 8
#objects: 12 total: 206518B seconds: 808.5856294 SUCCESS
12524.224240636 [ sid 19 start 12182.748534205 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 8 total: 95428B seconds: 341.475706431 SUCCESS
13854.385772937 [ sid 20 start 12565.008142286 ] clnt 1:2 srv 2:2(0) #pages: 9
#objects: 26 total: 395033B seconds: 1289.377630651 SUCCESS
14393.419193111 [ sid 21 start 14130.805151925 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 10 total: 88926B seconds: 262.614041186 SUCCESS
14885.750454448 [ sid 22 start 14617.750983329 ] clnt 1:2 srv 2:2(0) #pages: 4
#objects: 6 total: 23392B seconds: 267.999471119 SUCCESS
14988.79932329 [ sid 23 start 14969.823929404 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 2369B seconds: 18.975393886 SUCCESS
15156.087848029 [ sid 24 start 15137.11191856 ] clnt 1:2 srv 2:2(0) #pages: 1
#objects: 1 total: 3071B seconds: 18.975929469 SUCCESS
```

```

15551.584264111 [ sid 25 start 15253.004818754 ] clnt 1:2 srv 2:2(0) #pages:
2 #objects: 10 total: 83791B seconds: 298.579445357 SUCCESS
17120.859453507 [ sid 26 start 15801.667881982 ] clnt 1:2 srv 2:2(0) #pages:
16 #objects: 31 total: 185034B seconds: 1319.191571525 SUCCESS
17529.85584357 [ sid 27 start 17168.713115563 ] clnt 1:2 srv 2:2(0) #pages: 6
#objects: 6 total: 28005B seconds: 361.142728007 SUCCESS
18546.728124458 [ sid 28 start 17582.785338272 ] clnt 1:2 srv 2:2(0) #pages:
12 #objects: 19 total: 133798B seconds: 963.942786186 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 287123 events, 1344 ms, 224 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 3                3:1(1)                -    100    - 3
~# 1:1  | *> 2                3:1(1)                -    100    - 3 2
~# 1:1  | *> 1                self                   -     -    - i

.....
.....      bgp@3:1 wrap-up      .....
.....
~# 3:1  --- Loc-RIB at bgp@3:1:
~# 3:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:1  | *> 3                self                   -     -    - i
~# 3:1  | *> 2                3:2(1)                -     -    - 2 i
~# 3:1  | *> 1                1:1(1)                -     -    - 1

.....
.....      bgp@3:2 wrap-up      .....
.....
~# 3:2  --- Loc-RIB at bgp@3:2:
~# 3:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 3:2  | *> 3                self                   -     -    - i
~# 3:2  | *> 2                2:1(1)                -     -    - 2
~# 3:2  | *> 1                3:1(2)                -     -    - 1 i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 3                3:2(2)                -     -    - 3
~# 2:1  | *> 2                self                   -     -    - i
~# 2:1  | *> 1                1:1(2)                -     -    - 1

```

### 3. ESCENARIO 3

#### 3.1. BGP-4

La Tabla1, muestra el tamaño en bytes de los paquetes, enviados desde el cliente hacia el servidor HTTP como el total de bytes acumulados.

**Tabla15.** Información que recepciona el Servidor HTTP

Paquetes	Bytes	Bytes Totales			
1	10,931	10,931	32	31,825	4,191,240
2	55,443	66,374	33	61,588	4,252,828
3	206,334	272,708	34	135,744	4,388,572
4	60,264	332,972	35	13,734	4,402,306
5	159,035	422,007	36	279,592	4,681,898
6	77,848	569,855	37	129,799	4,811,697
7	22,907	592,762	38	23,575	4,835,272
8	2,307	595,069	39	459,043	5,294,315
9	2,510	597,579	40	23,047	5,317,362
10	25,095	622,674	41	31,551	5,348,913
11	32,423	655,097	42	5,724	5,354,637
12	70,697	725,794	43	6,086	5,360,723
13	38,679	764,473	44	306,349	5,667,072
14	142,388	906,861	45	35,439	5,702,511
15	3,721	910,582	46	5,544	5,708,055
16	5,775	916,357	47	56,494	5,764,549
17	5,057	921,414	48	57,224	5,821,773
18	38,978	960,392	49	24,092	5,845,865
19	41,612	1,002,004	50	118,474	5,964,339
20	489,383	1,491,387	51	396,711	6,361,050
21	1,394,852	2,886,239	52	38,347	6,399,397
22	169,536	3,055,775	53	58,702	6,458,099
23	202,043	3,257,818	54	9,069	6,467,168
24	15,450	3,273,268	55	16,493	6,483,661
25	520,140	3,793,408	56	26,717	6,510,378
26	5,544	3,798,952	57	2,295	6,512,673
27	14,470	3,813,422	58	293,058	6,805,731
28	49,809	3,863,231	59	135,769	6,941,500
29	51,113	3,914,344	60	11,415	6,952,915
30	32,369	3,946,713	61	4,746	6,957,661
31	212,702	4,159,415	62	10,341	6,968,002
			63	24,971	6,992,973

64	18,458	7,011,431
65	132,978	7,144,409

66	292,149	7,436,558
67	34,878	7,471,436

La *Tabla2*, indica la cantidad de paquetes y bytes recibidos como perdidos que se presetaron en diversas ejecuciones, considerando que tienen el mismo tiempo de simulación.

**Tabla 16.** Relación de Paquetes y Bytes Recibidos como Perdidos. Escenario 3. BGP-4

P. Recibidos	P. Perdidos	Tasa de Perdida	B. Recibidos	B. Perdidos	Tasa de Perdida
58	0	0	6,805,731	0	0
30	28	0.482758620	3,946,713	2,859,018	0.42008977
4	54	0.931034482	332,972	6,472,759	0.95107476

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26      0x00000000
0            0.0.0.16/28      0x00000010   1
0/0          0.0.0.20/30      0x00000014
0/1          0.0.0.16/30      0x00000010
1            0.0.0.0/28       0x00000000   2
1/0          0.0.0.4/30       0x00000004
1/1          0.0.0.0/30       0x00000000
2            0.0.0.52/30      0x00000034   1:1(1) 2:1(1)
3            0.0.0.48/30      0x00000030   2:1(2) 2:2(1)
4            0.0.0.44/30      0x0000002c   2:2(2) 1:2(2)
5            0.0.0.40/30      0x00000028   1:2(1) 1:1(2)
6            0.0.0.36/30      0x00000024   1:2(3) 1:3(0)
7            0.0.0.32/30      0x00000020   2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block  % util
--              --              0.0.0.0/26        90.625
1                0                0.0.0.16/28       62.5
2                1                0.0.0.0/28        62.5

```

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds

```

```
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

271.931086861 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 63.028310567 SUCCESS
395.150875659 [ sid 1 start 303.240929394 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 91.909946265 SUCCESS
1382.76955629 [ sid 2 start 432.392876282 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 950.376680008 SUCCESS
1434.859283673 [ sid 3 start 1408.355411375 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 26.503872298 SUCCESS
2334.072233632 [ sid 4 start 1441.643697657 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 892.428535975 SUCCESS
2929.625811044 [ sid 5 start 2402.699984532 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 526.925826512 SUCCESS
3144.673618842 [ sid 6 start 3029.266012793 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 115.407606049 SUCCESS
3323.743508275 [ sid 7 start 3320.735831414 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 3.007676861 SUCCESS
3394.137057146 [ sid 8 start 3391.129225408 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 3.007831738 SUCCESS
3997.973974181 [ sid 9 start 3883.730515318 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 114.243458863 SUCCESS
4269.522026165 [ sid 10 start 4007.875623868 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 261.646402297 SUCCESS
4523.411589841 [ sid 11 start 4309.748576431 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 213.66301341 SUCCESS
4941.810999707 [ sid 12 start 4675.789878564 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 266.021121143 SUCCESS
5344.601852842 [ sid 13 start 5013.396357826 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 331.205495016 SUCCESS
5579.257477701 [ sid 14 start 5576.248722043 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 3.008755658 SUCCESS
5596.672590067 [ sid 15 start 5592.661999041 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 4.010591026 SUCCESS
5899.559432021 [ sid 16 start 5895.549994017 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 4.009438004 SUCCESS
6105.309567634 [ sid 17 start 6042.116716542 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 63.192851092 SUCCESS
6325.229618864 [ sid 18 start 6120.094484506 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 205.135134358 SUCCESS
7204.33405804 [ sid 19 start 6371.789707615 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 832.544350425 SUCCESS
7689.879767725 [ sid 20 start 7301.236661355 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 388.64310637 SUCCESS
8559.16261476 [ sid 21 start 8055.548958823 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 503.613655937 SUCCESS
8987.454590123 [ sid 22 start 8904.976360893 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 82.47822923 SUCCESS
9088.745258719 [ sid 23 start 9083.729629366 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 5.015629353 SUCCESS
9519.996765136 [ sid 24 start 9203.828801288 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 316.167963848 SUCCESS
9574.797339329 [ sid 25 start 9568.595206479 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 5544B seconds: 6.20213285 SUCCESS
9731.56757512 [ sid 26 start 9645.603263433 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 14470B seconds: 85.964311687 SUCCESS
```

10463.039157212 [ sid 27 start 10148.736491284 ] clnt 1:3 srv 2:3(0) #pages: 7 #objects: 10 total: 49809B seconds: 314.302665928 SUCCESS  
10617.242979804 [ sid 28 start 10464.197707869 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 4 total: 51113B seconds: 153.045271935 SUCCESS  
10745.515803431 [ sid 29 start 10679.70069274 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 6 total: 32369B seconds: 65.815110691 SUCCESS  
11552.009521501 [ sid 30 start 11046.453196246 ] clnt 1:3 srv 2:3(0) #pages: 9 #objects: 21 total: 212702B seconds: 505.556325255 SUCCESS  
11851.147563293 [ sid 31 start 11761.618337295 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 31825B seconds: 89.529225998 SUCCESS  
12179.172152692 [ sid 32 start 11919.026286522 ] clnt 1:3 srv 2:3(0) #pages: 6 #objects: 6 total: 61588B seconds: 260.14586617 SUCCESS  
12758.206605692 [ sid 33 start 12217.326307384 ] clnt 1:3 srv 2:3(0) #pages: 11 #objects: 28 total: 135744B seconds: 540.880298308 SUCCESS  
12846.490348294 [ sid 34 start 12806.005286605 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 13734B seconds: 40.485061689 SUCCESS  
13067.527276584 [ sid 35 start 12903.382302423 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 15 total: 279592B seconds: 164.144974161 SUCCESS  
13233.782159511 [ sid 36 start 13141.177345632 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 129799B seconds: 92.604813879 SUCCESS  
13369.223096077 [ sid 37 start 13333.582597816 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 23575B seconds: 35.640498261 SUCCESS  
14877.490907164 [ sid 38 start 13463.758687154 ] clnt 1:3 srv 2:3(0) #pages: 22 #objects: 83 total: 459043B seconds: 1413.73222001 SUCCESS  
15008.416358476 [ sid 39 start 14923.739923402 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 23047B seconds: 84.676435074 SUCCESS  
15036.000430523 [ sid 40 start 15010.350022648 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 7 total: 31551B seconds: 25.650407875 SUCCESS  
15282.248383379 [ sid 41 start 15209.649336475 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 5724B seconds: 72.599046904 SUCCESS  
15360.105665863 [ sid 42 start 15317.222933844 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 6086B seconds: 42.882732019 SUCCESS  
16138.212269454 [ sid 43 start 15458.464977904 ] clnt 1:3 srv 2:3(0) #pages: 8 #objects: 49 total: 306349B seconds: 679.74729155 SUCCESS  
16169.547488667 [ sid 44 start 16160.276918084 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 2 total: 35439B seconds: 9.270570583 SUCCESS  
16291.132431494 [ sid 45 start 16287.122211426 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 1 total: 5544B seconds: 4.010220068 SUCCESS  
16369.093762315 [ sid 46 start 16337.822981361 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 8 total: 56494B seconds: 31.270780954 SUCCESS  
16614.090432048 [ sid 47 start 16372.211462545 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 11 total: 57224B seconds: 241.878969503 SUCCESS  
16928.007528259 [ sid 48 start 16656.799832402 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 7 total: 24092B seconds: 271.207695857 SUCCESS  
17621.6021278 [ sid 49 start 16929.94524325 ] clnt 1:3 srv 2:3(0) #pages: 12 #objects: 17 total: 118474B seconds: 691.65688455 SUCCESS  
18857.984776808 [ sid 50 start 17685.518949782 ] clnt 1:3 srv 2:3(0) #pages: 23 #objects: 42 total: 396711B seconds: 1172.465827026 SUCCESS  
18922.351287825 [ sid 51 start 18868.717721428 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 38347B seconds: 53.633566397 SUCCESS  
18969.040990524 [ sid 52 start 18955.449976115 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 3 total: 58702B seconds: 13.591014409 SUCCESS  
19120.110711473 [ sid 53 start 19053.705914834 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 9069B seconds: 66.404796639 SUCCESS  
19249.531049353 [ sid 54 start 19244.514593737 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 1 total: 16493B seconds: 5.016455616 SUCCESS

```

19318.554535639 [ sid 55 start 19269.160516751 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 49.394018888 SUCCESS
19500.788251346 [ sid 56 start 19497.78058364 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2295B seconds: 3.007667706 SUCCESS
19972.902714954 [ sid 57 start 19557.762503814 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 35 total: 293058B seconds: 415.14021114 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 276002 events, 1406 ms, 207 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                2:1(1)          -      -      - 2
~# 1:1  | *> 1                self            -      -      - i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2  | *> 2                2:2(2)          -      -      - 2
~# 1:2  | *> 1                self            -      -      - i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      extHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -      - i
~# 2:1  | *> 1                1:1(1)          -      -      - 1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2  | *> 2                self            -      -      - i
~# 2:2  | *> 1                1:2(2)          -      -      - 1

```

```

-----
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|
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|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26          0x00000000
0            0.0.0.16/28          0x00000010          1

```



```

0/0          0.0.0.20/30          0x00000014
0/1          0.0.0.16/30          0x00000010
1            0.0.0.0/28              0x00000000    2
1/0          0.0.0.4/30           0x00000004
1/1          0.0.0.0/30          0x00000000
2            0.0.0.52/30          0x00000034    1:1(1) 2:1(1)
3            0.0.0.48/30          0x00000030    2:1(2) 2:2(1)
4            0.0.0.44/30          0x0000002c    2:2(2) 1:2(2)
5            0.0.0.40/30          0x00000028    1:2(1) 1:1(2)
6            0.0.0.36/30          0x00000024    1:2(3) 1:3(0)
7            0.0.0.32/30          0x00000020    2:2(3) 2:3(0)

```

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

```

313.931086861 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 105.028310567 SUCCESS
577.153286923 [ sid 1 start 345.240929394 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 231.912357529 SUCCESS
2575.779010651 [ sid 2 start 614.395287546 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1961.383723105 SUCCESS
2791.879139997 [ sid 3 start 2601.364865736 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 190.514274261 SUCCESS
4373.095356088 [ sid 4 start 2798.663553981 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1574.431802107 SUCCESS
5294.651327062 [ sid 5 start 4441.723106988 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 852.928220074 SUCCESS
5647.69913486 [ sid 6 start 5394.291528811 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 253.407606049 SUCCESS
5844.769024293 [ sid 7 start 5823.761347432 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 21.007676861 SUCCESS
5933.162573164 [ sid 8 start 5912.154741426 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 21.007831738 SUCCESS
6627.002602991 [ sid 9 start 6422.756031336 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 204.246571655 SUCCESS
7043.551082409 [ sid 10 start 6636.904252678 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 406.646829731 SUCCESS
7544.450531263 [ sid 11 start 7083.777632675 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 460.672898588 SUCCESS
8130.854334346 [ sid 12 start 7696.828819986 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 434.02551436 SUCCESS
8750.632615559 [ sid 13 start 8202.439692465 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 548.192923094 SUCCESS

```

```

9003.288240418 [ sid 14 start 8982.27948476 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 21.008755658 SUCCESS
9044.703352784 [ sid 15 start 9016.692761758 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 28.010591026 SUCCESS
9371.590194738 [ sid 16 start 9343.580756734 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 28.009438004 SUCCESS
9757.340330351 [ sid 17 start 9514.147479259 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 243.192851092 SUCCESS
10128.262365411 [ sid 18 start 9772.125247223 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 356.137118188 SUCCESS
12703.365517909 [ sid 19 start 10174.822454162 ] clnt 1:3 srv 2:3(0) #pages:
13 #objects: 77 total: 489383B seconds: 2528.543063747 SUCCESS
14096.942824604 [ sid 20 start 12800.268121224 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 34 total: 1394852B seconds: 1296.67470338 SUCCESS
15613.227808809 [ sid 21 start 14462.612015702 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 29 total: 169536B seconds: 1150.615793107 SUCCESS
16217.513865268 [ sid 22 start 15959.041554942 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 202043B seconds: 258.472310326 SUCCESS
16355.806054077 [ sid 23 start 16313.788904511 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 15450B seconds: 42.017149566 SUCCESS
17494.09735693 [ sid 24 start 16470.889596646 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 1023.207760284 SUCCESS
17584.897931123 [ sid 25 start 17542.695798273 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 42.20213285 SUCCESS
17825.668166914 [ sid 26 start 17655.703855227 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 169.964311687 SUCCESS
18767.139749006 [ sid 27 start 18242.837083078 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 524.302665928 SUCCESS
19037.347539258 [ sid 28 start 18768.298299663 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 269.049239595 SUCCESS
19298.622346715 [ sid 29 start 19099.805252194 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 6 total: 32369B seconds: 198.817094521 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 274491 events, 1218 ms, 237 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                2:1(1)          -         -         - 2
~# 1:1 | *> 1                self            -         -         - i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                2:2(2)          -         -         - 2
~# 1:2 | *> 1                self            -         -         - i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:

```

```

~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
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-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

761.932643257 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 553.029866963 SUCCESS
2639.175931335 [ sid 1 start 793.24248579 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 1845.933445545 SUCCESS

```

```
15460.854649189 [ sid 2 start 2676.417931958 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 12784.436717231 SUCCESS
17546.974310155 [ sid 3 start 15486.440504274 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 2060.533805881 SUCCESS
```

```
-----
| 1 timelines, 5 barriers, 268090 events, 1093 ms, 256 Kevt/s
-----
```

```
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                2:1(1)          -      -      - 2
~# 1:1    | *>  1                self            -      -      - i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *>  2                2:2(2)          -      -      - 2
~# 1:2    | *>  1                self            -      -      - i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *>  2                self            -      -      - i
~# 2:1    | *>  1                1:1(1)         -      -      - 1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2    --- Loc-RIB at bgp@2:2:
~# 2:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2    | *>  2                self            -      -      - i
~# 2:2    | *>  1                1:2(2)         -      -      - 1
```

### 3.2. BGP-C2 EN T1

**Tabla 17.** Paquetes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 3. BGP-C2 en t1

P. Recibidos	P. Perdidos	Tasa de Perdida
58	0	0
54	4	0.068965517
43	15	0.25862069
40	18	0.310344828
22	36	0.620689655

**Tabla 18.** Bytes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 3. BGP-C2 en t1

B. Recibidos	B. Perdidos	Tasa dePerdida
--------------	-------------	----------------

6,805,731	0	0
6,467,168	338,563	0.04974675
5,360,723	1,445,008	0.212322233
5,317,362	1,488,369	0.218693481
3,055,775	3,749,956	0.550999738

```

-----
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|
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| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26      0x00000000
0            0.0.0.16/28       0x00000010   1
0/0          0.0.0.20/30       0x00000014
0/1          0.0.0.16/30       0x00000010
1            0.0.0.0/28        0x00000000   2
1/0          0.0.0.4/30        0x00000004
1/1          0.0.0.0/30        0x00000000
2            0.0.0.52/30       0x00000034   1:1(1) 2:1(1)
3            0.0.0.48/30       0x00000030   2:1(2) 2:2(1)
4            0.0.0.44/30       0x0000002c   2:2(2) 1:2(2)
5            0.0.0.40/30       0x00000028   1:2(1) 1:1(2)
6            0.0.0.36/30       0x00000024   1:2(3) 1:3(0)
7            0.0.0.32/30       0x00000020   2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --
1                0                0.0.0.0/26          90.625
2                1                0.0.0.16/28         62.5

```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
```

```
--- Phase II: connect Point-To-Point links
```

```
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
```

```
## Elapsed time: 0.203 seconds
```

```
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
271.931086861 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 63.028310567 SUCCESS
```

```
395.150875659 [ sid 1 start 303.240929394 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 91.909946265 SUCCESS
```

1382.76955629 [ sid 2 start 432.392876282 ] clnt 1:3 srv 2:3(0) #pages: 18  
#objects: 48 total: 206334B seconds: 950.376680008 SUCCESS  
1434.859283673 [ sid 3 start 1408.355411375 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 6 total: 60264B seconds: 26.503872298 SUCCESS  
2334.072233632 [ sid 4 start 1441.643697657 ] clnt 1:3 srv 2:3(0) #pages: 17  
#objects: 32 total: 159035B seconds: 892.428535975 SUCCESS  
2929.625811044 [ sid 5 start 2402.699984532 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 526.925826512 SUCCESS  
3144.673618842 [ sid 6 start 3029.266012793 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 115.407606049 SUCCESS  
3323.743508275 [ sid 7 start 3320.735831414 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 3.007676861 SUCCESS  
3394.137057146 [ sid 8 start 3391.129225408 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 3.007831738 SUCCESS  
3997.973974181 [ sid 9 start 3883.730515318 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 114.243458863 SUCCESS  
4269.522026165 [ sid 10 start 4007.875623868 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 261.646402297 SUCCESS  
4523.411589841 [ sid 11 start 4309.748576431 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 213.66301341 SUCCESS  
4941.810999707 [ sid 12 start 4675.789878564 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 266.021121143 SUCCESS  
5344.601852842 [ sid 13 start 5013.396357826 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 331.205495016 SUCCESS  
5579.257477701 [ sid 14 start 5576.248722043 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 3.008755658 SUCCESS  
5596.672590067 [ sid 15 start 5592.661999041 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 4.010591026 SUCCESS  
5899.559432021 [ sid 16 start 5895.549994017 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 4.009438004 SUCCESS  
6105.309567634 [ sid 17 start 6042.116716542 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 63.192851092 SUCCESS  
6325.229618864 [ sid 18 start 6120.094484506 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 205.135134358 SUCCESS  
7204.33405804 [ sid 19 start 6371.789707615 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 832.544350425 SUCCESS  
7689.879767725 [ sid 20 start 7301.236661355 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 388.64310637 SUCCESS  
8559.16261476 [ sid 21 start 8055.548958823 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 503.613655937 SUCCESS  
8987.454590123 [ sid 22 start 8904.976360893 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 82.47822923 SUCCESS  
9088.745258719 [ sid 23 start 9083.729629366 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 5.015629353 SUCCESS  
9519.996765136 [ sid 24 start 9203.828801288 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 316.167963848 SUCCESS  
9574.797339329 [ sid 25 start 9568.595206479 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 6.20213285 SUCCESS  
9731.56757512 [ sid 26 start 9645.603263433 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 85.964311687 SUCCESS  
10463.039157212 [ sid 27 start 10148.736491284 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 314.302665928 SUCCESS  
10617.242979804 [ sid 28 start 10464.197707869 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 153.045271935 SUCCESS  
10745.515803431 [ sid 29 start 10679.70069274 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 65.815110691 SUCCESS

11552.009521501 [ sid 30 start 11046.453196246 ] clnt 1:3 srv 2:3(0) #pages: 9 #objects: 21 total: 212702B seconds: 505.556325255 SUCCESS  
11851.147563293 [ sid 31 start 11761.618337295 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 31825B seconds: 89.529225998 SUCCESS  
12179.172152692 [ sid 32 start 11919.026286522 ] clnt 1:3 srv 2:3(0) #pages: 6 #objects: 6 total: 61588B seconds: 260.14586617 SUCCESS  
12758.206605692 [ sid 33 start 12217.326307384 ] clnt 1:3 srv 2:3(0) #pages: 11 #objects: 28 total: 135744B seconds: 540.880298308 SUCCESS  
12846.490348294 [ sid 34 start 12806.005286605 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 13734B seconds: 40.485061689 SUCCESS  
13067.527276584 [ sid 35 start 12903.382302423 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 15 total: 279592B seconds: 164.144974161 SUCCESS  
13233.782159511 [ sid 36 start 13141.177345632 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 129799B seconds: 92.604813879 SUCCESS  
13369.223096077 [ sid 37 start 13333.582597816 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 23575B seconds: 35.640498261 SUCCESS  
14877.490907164 [ sid 38 start 13463.758687154 ] clnt 1:3 srv 2:3(0) #pages: 22 #objects: 83 total: 459043B seconds: 1413.73222001 SUCCESS  
15008.416358476 [ sid 39 start 14923.739923402 ] clnt 1:3 srv 2:3(0) #pages: 3 #objects: 5 total: 23047B seconds: 84.676435074 SUCCESS  
15036.000430523 [ sid 40 start 15010.350022648 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 7 total: 31551B seconds: 25.650407875 SUCCESS  
15282.248383379 [ sid 41 start 15209.649336475 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 5724B seconds: 72.599046904 SUCCESS  
15360.105665863 [ sid 42 start 15317.222933844 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 6086B seconds: 42.882732019 SUCCESS  
16138.212269454 [ sid 43 start 15458.464977904 ] clnt 1:3 srv 2:3(0) #pages: 8 #objects: 49 total: 306349B seconds: 679.74729155 SUCCESS  
16169.547488667 [ sid 44 start 16160.276918084 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 2 total: 35439B seconds: 9.270570583 SUCCESS  
16291.132431494 [ sid 45 start 16287.122211426 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 1 total: 5544B seconds: 4.010220068 SUCCESS  
16369.093762315 [ sid 46 start 16337.822981361 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 8 total: 56494B seconds: 31.270780954 SUCCESS  
16614.090432048 [ sid 47 start 16372.211462545 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 11 total: 57224B seconds: 241.878969503 SUCCESS  
16928.007528259 [ sid 48 start 16656.799832402 ] clnt 1:3 srv 2:3(0) #pages: 4 #objects: 7 total: 24092B seconds: 271.207695857 SUCCESS  
17621.6021278 [ sid 49 start 16929.94524325 ] clnt 1:3 srv 2:3(0) #pages: 12 #objects: 17 total: 118474B seconds: 691.65688455 SUCCESS  
18857.984776808 [ sid 50 start 17685.518949782 ] clnt 1:3 srv 2:3(0) #pages: 23 #objects: 42 total: 396711B seconds: 1172.465827026 SUCCESS  
18922.351287825 [ sid 51 start 18868.717721428 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 38347B seconds: 53.633566397 SUCCESS  
18969.040990524 [ sid 52 start 18955.449976115 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 3 total: 58702B seconds: 13.591014409 SUCCESS  
19120.110711473 [ sid 53 start 19053.705914834 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 2 total: 9069B seconds: 66.404796639 SUCCESS  
19249.531049353 [ sid 54 start 19244.514593737 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 1 total: 16493B seconds: 5.016455616 SUCCESS  
19318.554535639 [ sid 55 start 19269.160516751 ] clnt 1:3 srv 2:3(0) #pages: 2 #objects: 5 total: 26717B seconds: 49.394018888 SUCCESS  
19500.788251346 [ sid 56 start 19497.78058364 ] clnt 1:3 srv 2:3(0) #pages: 1 #objects: 1 total: 2295B seconds: 3.007667706 SUCCESS  
19972.902714954 [ sid 57 start 19557.762503814 ] clnt 1:3 srv 2:3(0) #pages: 8 #objects: 35 total: 293058B seconds: 415.14021114 SUCCESS

```

-----
| 1 timelines, 5 barriers, 276002 events, 1406 ms, 207 Kevt/s
-----
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1   --- Loc-RIB at bgp@1:1:
~# 1:1   |       NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:1   | *>  2                2:1(1)                -      -      - 2
~# 1:1   | *>  1                self                    -      -      - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2   --- Loc-RIB at bgp@1:2:
~# 1:2   |       NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:2   | *>  2                2:2(2)                -      -      - 2
~# 1:2   | *>  1                self                    -      -      - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1   --- Loc-RIB at bgp@2:1:
~# 2:1   |       NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:1   | *>  2                self                    -      -      - i
~# 2:1   | *>  1                1:1(1)                -      -      - 1
.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2   --- Loc-RIB at bgp@2:2:
~# 2:2   |       NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:2   | *>  2                self                    -      -      - i
~# 2:2   | *>  1                1:2(2)                -      -      - 1
-----

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|
-----

CIDR          IP Block          b16          NHI
--           0.0.0.0/26          0x00000000
0            0.0.0.16/28          0x00000010    1
0/0          0.0.0.20/30          0x00000014
0/1          0.0.0.16/30          0x00000010
1            0.0.0.0/28          0x00000000    2
1/0          0.0.0.4/30          0x00000004
1/1          0.0.0.0/30          0x00000000
2            0.0.0.52/30          0x00000034    1:1(1) 2:1(1)

```



3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.203 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

274.190000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 65.287223837 SUCCESS
404.189580495 [ sid 1 start 305.499842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 98.689737831 SUCCESS
1445.027578122 [ sid 2 start 441.431581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1003.595997004 SUCCESS
1505.185145429 [ sid 3 start 1470.613433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 34.571712222 SUCCESS
2439.566781884 [ sid 4 start 1511.969559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 927.597222471 SUCCESS
3051.893521884 [ sid 5 start 2508.194532784 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 543.6989891 SUCCESS
3274.357177288 [ sid 6 start 3151.533723633 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 122.823453655 SUCCESS
3454.394736443 [ sid 7 start 3450.41938986 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 3.975346583 SUCCESS
3525.755955036 [ sid 8 start 3521.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 3.97550146 SUCCESS
4134.433462195 [ sid 9 start 4015.349413208 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 119.084048987 SUCCESS
4413.401116975 [ sid 10 start 4144.335111882 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 269.066005093 SUCCESS
4680.197030927 [ sid 11 start 4453.627667241 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 226.569363686 SUCCESS
5107.627990785 [ sid 12 start 4832.57531965 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 275.052671135 SUCCESS
5519.457548756 [ sid 13 start 5179.213348904 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 340.244199852 SUCCESS
5755.080843337 [ sid 14 start 5751.104417957 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 3.97642538 SUCCESS
5773.786855929 [ sid 15 start 5768.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 5.301491252 SUCCESS
6077.963502527 [ sid 16 start 6072.664259879 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 5.299242648 SUCCESS

```

```
6293.393387116 [ sid 17 start 6220.520787048 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 72.872600068 SUCCESS
6521.057596108 [ sid 18 start 6308.178303988 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 212.87929212 SUCCESS
7487.598349578 [ sid 19 start 6567.617684859 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 919.980664719 SUCCESS
8016.709880023 [ sid 20 start 7584.500952893 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 432.20892713 SUCCESS
8918.903316626 [ sid 21 start 8382.379071121 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 536.524245505 SUCCESS
9353.654561485 [ sid 22 start 9264.717062759 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 88.937498726 SUCCESS
9456.560047455 [ sid 23 start 9449.929600728 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 6.630446727 SUCCESS
9919.44062279 [ sid 24 start 9571.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 347.797032766 SUCCESS
9976.176536427 [ sid 25 start 9968.039064133 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 5544B seconds: 8.137472294 SUCCESS
10137.460382754 [ sid 26 start 10046.982460531 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 90.477922223 SUCCESS
10880.223424506 [ sid 27 start 10554.629298918 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 325.594125588 SUCCESS
11039.9136833 [ sid 28 start 10881.381975163 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 51113B seconds: 158.531708137 SUCCESS
11174.960976229 [ sid 29 start 11102.371396236 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 6 total: 32369B seconds: 72.589579993 SUCCESS
12006.300309543 [ sid 30 start 11475.898369044 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 530.401940499 SUCCESS
12311.245828405 [ sid 31 start 12215.909125337 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 95.336703068 SUCCESS
12646.047157614 [ sid 32 start 12379.124551634 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 266.92260598 SUCCESS
13257.016736272 [ sid 33 start 12684.201312306 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 572.815423966 SUCCESS
13347.559392144 [ sid 34 start 13304.815417185 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 42.743974959 SUCCESS
13587.957599082 [ sid 35 start 13404.451346273 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 183.506252809 SUCCESS
13761.960228635 [ sid 36 start 13661.60766813 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 129799B seconds: 100.352560505 SUCCESS
13900.307226123 [ sid 37 start 13861.76066694 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 38.546559183 SUCCESS
15501.482512138 [ sid 38 start 13994.8428172 ] clnt 1:3 srv 2:3(0) #pages: 22
#objects: 83 total: 459043B seconds: 1506.639694938 SUCCESS
15637.569885886 [ sid 39 start 15547.731528376 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 89.83835751 SUCCESS
15672.896173251 [ sid 40 start 15639.503550058 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 33.392623193 SUCCESS
15921.079465551 [ sid 41 start 15846.545079203 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 74.534386348 SUCCESS
16000.872087479 [ sid 42 start 15956.054016016 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 6086B seconds: 44.818071463 SUCCESS
16835.110181658 [ sid 43 start 16099.23139952 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 49 total: 306349B seconds: 735.878782138 SUCCESS
16869.351461793 [ sid 44 start 16857.174830288 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 35439B seconds: 12.176631505 SUCCESS
```

```

16992.226952368 [ sid 45 start 16986.926184552 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 5.300767816 SUCCESS
17079.546184107 [ sid 46 start 17038.917502235 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 56494B seconds: 40.628681872 SUCCESS
17336.481516086 [ sid 47 start 17082.663884337 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 253.817631749 SUCCESS
17657.816527471 [ sid 48 start 17379.19091644 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 24092B seconds: 278.625611031 SUCCESS
18371.417676484 [ sid 49 start 17659.754242462 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 711.663434022 SUCCESS
19657.486773876 [ sid 50 start 18435.334498466 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1222.15227541 SUCCESS
19724.759345815 [ sid 51 start 19668.219718496 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 38347B seconds: 56.539627319 SUCCESS
19775.646352984 [ sid 52 start 19757.858034105 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 3 total: 58702B seconds: 17.788318879 SUCCESS
19928.974071675 [ sid 53 start 19860.311277294 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 68.662794381 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 302198 events, 1515 ms, 207 Kevt/s
-----
```

```

.....
.....          bgp@1:1 wrap-up          .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:1  | *>  2                1:2(1)                -    100    - 2 i
~# 1:1  | *>  1                self                    -     -     - i
.....
.....          bgp@1:2 wrap-up          .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:2  | *>  2                2:2(2)                -    100    - 2
~# 1:2  | *>  1                self                    -     -     - i
.....
.....          bgp@2:1 wrap-up          .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  2                self                    -     -     - i
~# 2:1  | *>  1                1:1(1)                -     -     - 1
.....
.....          bgp@2:2 wrap-up          .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:2  | *>  2                self                    -     -     - i
~# 2:2  | *>  1                1:2(2)                -     -     - 1

```

```
-----
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|      (c)2000,2001,2002,2003 Renesys Corporation
|
```

```
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|
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.16/28     0x00000010   1
0/0         0.0.0.20/30     0x00000014
0/1         0.0.0.16/30     0x00000010
1           0.0.0.0/28     0x00000000   2
1/0         0.0.0.4/30     0x00000004
1/1         0.0.0.0/30     0x00000000
2           0.0.0.52/30    0x00000034   1:1(1) 2:1(1)
3           0.0.0.48/30    0x00000030   2:1(2) 2:2(1)
4           0.0.0.44/30    0x0000002c   2:2(2) 1:2(2)
5           0.0.0.40/30    0x00000028   1:2(1) 1:1(2)
6           0.0.0.36/30    0x00000024   1:2(3) 1:3(0)
7           0.0.0.32/30    0x00000020   2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --              0.0.0.0/26          90.625
1                0              0.0.0.16/28         62.5
2                1              0.0.0.0/28          62.5
```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
```

```
--- Phase II: connect Point-To-Point links
```

```
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
```

```
## Elapsed time: 0.235 seconds
```

```
** Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
285.390000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 76.487223837 SUCCESS
448.989580495 [ sid 1 start 316.699842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 132.289737831 SUCCESS
1753.827578122 [ sid 2 start 486.231581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1267.595997004 SUCCESS
1853.985145429 [ sid 3 start 1779.413433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 74.571712222 SUCCESS
2962.766781884 [ sid 4 start 1860.769559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1101.997222471 SUCCESS
3658.293521884 [ sid 5 start 3031.394532784 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 626.8989891 SUCCESS
3917.557177288 [ sid 6 start 3757.933723633 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 159.623453655 SUCCESS
```

4102.394736443 [ sid 7 start 4093.61938986 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 8.775346583 SUCCESS  
4178.555955036 [ sid 8 start 4169.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 8.77550146 SUCCESS  
4811.233462195 [ sid 9 start 4668.149413208 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 143.084048987 SUCCESS  
5127.001116975 [ sid 10 start 4821.135111882 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 305.866005093 SUCCESS  
5457.797030927 [ sid 11 start 5167.227667241 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 290.569363686 SUCCESS  
5930.027990785 [ sid 12 start 5610.17531965 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 319.852671135 SUCCESS  
6386.657548756 [ sid 13 start 6001.613348904 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 385.044199852 SUCCESS  
6627.080843337 [ sid 14 start 6618.304417957 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 8.77642538 SUCCESS  
6652.186855929 [ sid 15 start 6640.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 11.701491252 SUCCESS  
6962.763502527 [ sid 16 start 6951.064259879 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 11.699242648 SUCCESS  
7226.193387116 [ sid 17 start 7105.320787048 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 120.872600068 SUCCESS  
7492.257596108 [ sid 18 start 7240.978303988 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 251.27929212 SUCCESS  
8892.398349578 [ sid 19 start 7538.817684859 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 1353.580664719 SUCCESS  
9637.509925036 [ sid 20 start 8989.300952893 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 648.208972143 SUCCESS  
10702.903361639 [ sid 21 start 10003.179116134 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 699.724245505 SUCCESS  
11169.654606498 [ sid 22 start 11048.717107772 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 120.937498726 SUCCESS  
11280.560092468 [ sid 23 start 11265.929645741 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 14.630446727 SUCCESS  
11900.240667803 [ sid 24 start 11395.643635037 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 504.597032766 SUCCESS  
11966.57658144 [ sid 25 start 11948.839109146 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 17.737472294 SUCCESS  
12150.260427767 [ sid 26 start 12037.382505544 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 112.877922223 SUCCESS  
12949.023469519 [ sid 27 start 12567.429343931 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 381.594125588 SUCCESS  
13135.913728313 [ sid 28 start 12950.182020176 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 185.731708137 SUCCESS  
13304.561021242 [ sid 29 start 13198.371441249 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 106.189579993 SUCCESS  
14259.100354556 [ sid 30 start 13605.498414057 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 653.601940499 SUCCESS  
14592.845873418 [ sid 31 start 14468.70917035 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 124.136703068 SUCCESS  
14961.247202627 [ sid 32 start 14660.724596647 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 300.52260598 SUCCESS  
15730.616781285 [ sid 33 start 14999.401357319 ] clnt 1:3 srv 2:3(0) #pages: 11  
#objects: 28 total: 135744B seconds: 731.215423966 SUCCESS  
15832.359437157 [ sid 34 start 15778.415462198 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 13734B seconds: 53.943974959 SUCCESS

```

16168.757644095 [ sid 35 start 15889.251391286 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 279.506252809 SUCCESS
16381.160273648 [ sid 36 start 16242.407713143 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 138.752560505 SUCCESS
16533.907271136 [ sid 37 start 16480.960711953 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 23575B seconds: 52.946559183 SUCCESS
18595.882557151 [ sid 38 start 16628.442862213 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1967.439694938 SUCCESS
18757.569930899 [ sid 39 start 18642.131573389 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 115.43835751 SUCCESS
18831.296218264 [ sid 40 start 18759.503595071 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 71.792623193 SUCCESS
19089.079510564 [ sid 41 start 19004.945124216 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 84.134386348 SUCCESS
19178.472132492 [ sid 42 start 19124.054061029 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 6086B seconds: 54.418071463 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 298748 events, 1375 ms, 224 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1   --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                1:2(1)          -      100      - 2 i
~# 1:1 | *> 1                self            -      -        - i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2   --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                2:2(2)          -      100      - 2
~# 1:2 | *> 1                self            -      -        - i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1   --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -        - i
~# 2:1 | *> 1                1:1(1)          -      -        - 1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2   --- Loc-RIB at bgp@2:2:
~# 2:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                self            -      -        - i
~# 2:2 | *> 1                1:2(2)          -      -        - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|

```

```
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0           0.0.0.16/28     0x00000010   1
0/0        0.0.0.20/30     0x00000014
0/1        0.0.0.16/30     0x00000010
1           0.0.0.0/28     0x00000000   2
1/0        0.0.0.4/30      0x00000004
1/1        0.0.0.0/30     0x00000000
2           0.0.0.52/30    0x00000034   1:1(1) 2:1(1)
3           0.0.0.48/30    0x00000030   2:1(2) 2:2(1)
4           0.0.0.44/30    0x0000002c   2:2(2) 1:2(2)
5           0.0.0.40/30    0x00000028   1:2(1) 1:1(2)
6           0.0.0.36/30    0x00000024   1:2(3) 1:3(0)
7           0.0.0.32/30    0x00000020   2:2(3) 2:3(0)

NHI Addr      CIDR Level      IP Address Block  % util
--           --              0.0.0.0/26       90.625
1           0               0.0.0.16/28      62.5
2           1               0.0.0.0/28       62.5
```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
```

```
--- Phase II: connect Point-To-Point links
```

```
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
```

```
## Elapsed time: 0.234 seconds
```

```
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
Este es el valor exacto de la bandera con el localpref en 100 2
289.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 80.687223837 SUCCESS
465.789580495 [ sid 1 start 320.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 144.889737831 SUCCESS
1869.627578122 [ sid 2 start 503.031581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1366.595997004 SUCCESS
1984.785145429 [ sid 3 start 1895.213433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 89.571712222 SUCCESS
3158.966781884 [ sid 4 start 1991.569559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1167.397222471 SUCCESS
3885.693521884 [ sid 5 start 3227.594532784 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 658.0989891 SUCCESS
4158.757177288 [ sid 6 start 3985.333723633 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 173.423453655 SUCCESS
```

4345.394736443 [ sid 7 start 4334.81938986 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 10.575346583 SUCCESS  
4423.355955036 [ sid 8 start 4412.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 10.57550146 SUCCESS  
5065.033462195 [ sid 9 start 4912.949413208 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 152.084048987 SUCCESS  
5394.601116975 [ sid 10 start 5074.935111882 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 319.666005093 SUCCESS  
5749.397030927 [ sid 11 start 5434.827667241 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 314.569363686 SUCCESS  
6238.427990785 [ sid 12 start 5901.77531965 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 336.652671135 SUCCESS  
6711.857548756 [ sid 13 start 6310.013348904 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 401.844199852 SUCCESS  
6954.080843337 [ sid 14 start 6943.504417957 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 10.57642538 SUCCESS  
6981.586855929 [ sid 15 start 6967.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 14.101491252 SUCCESS  
7294.563502527 [ sid 16 start 7280.464259879 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 14.099242648 SUCCESS  
7575.993387116 [ sid 17 start 7437.120787048 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 138.872600068 SUCCESS  
7856.457596108 [ sid 18 start 7590.778303988 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 265.67929212 SUCCESS  
9419.198349578 [ sid 19 start 7903.017684859 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 1516.180664719 SUCCESS  
10245.309880023 [ sid 20 start 9516.100952893 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 729.20892713 SUCCESS  
11371.903316626 [ sid 21 start 10610.979071121 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 760.924245505 SUCCESS  
11850.654561485 [ sid 22 start 11717.717062759 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 132.937498726 SUCCESS  
11964.560047455 [ sid 23 start 11946.929600728 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 17.630446727 SUCCESS  
12643.040653307 [ sid 24 start 12079.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 563.397063283 SUCCESS  
12712.976566944 [ sid 25 start 12691.63909465 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 21.337472294 SUCCESS  
12905.060413271 [ sid 26 start 12783.782491048 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 121.277922223 SUCCESS  
13724.823455023 [ sid 27 start 13322.229329435 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 402.594125588 SUCCESS  
13921.913713817 [ sid 28 start 13725.98200568 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 195.931708137 SUCCESS  
14103.161006746 [ sid 29 start 13984.371426753 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 118.789579993 SUCCESS  
15103.90034006 [ sid 30 start 14404.098399561 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 699.801940499 SUCCESS  
15448.445858922 [ sid 31 start 15313.509155854 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 134.936703068 SUCCESS  
15829.447188131 [ sid 32 start 15516.324582151 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 313.12260598 SUCCESS  
16658.216766789 [ sid 33 start 15867.601342823 ] clnt 1:3 srv 2:3(0) #pages: 11  
#objects: 28 total: 135744B seconds: 790.615423966 SUCCESS  
16764.159422661 [ sid 34 start 16706.015447702 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 13734B seconds: 58.143974959 SUCCESS



```

17136.557629599 [ sid 35 start 16821.05137679 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 15 total: 279592B seconds: 315.506252809 SUCCESS
17363.360259152 [ sid 36 start 17210.207698647 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 153.152560505 SUCCESS
17521.50725664 [ sid 37 start 17463.160697457 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 58.346559183 SUCCESS
19756.282542655 [ sid 38 start 17616.042847717 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 2140.239694938 SUCCESS
19927.569916403 [ sid 39 start 19802.531558893 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 125.03835751 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 296588 events, 1375 ms, 223 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight
ASPathNHI
~# 1:1    | *>  2                1:2(1)          -      100      - 2
i
~# 1:1    | *>  1                self            -      -        - i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *>  2                2:2(2)          -      100      - 2
~# 1:2    | *>  1                self            -      -        - i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *>  2                self            -      -        - i
~# 2:1    | *>  1                1:1(1)          -      -        - 1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2    --- Loc-RIB at bgp@2:2:
~# 2:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2    | *>  2                self            -      -        - i
~# 2:2    | *>  1                1:2(2)          -      -        - 1

```

```
-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|

```

```
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.16/28     0x00000010   1
0/0         0.0.0.20/30     0x00000014
0/1         0.0.0.16/30     0x00000010
1           0.0.0.0/28     0x00000000   2
1/0         0.0.0.4/30     0x00000004
1/1         0.0.0.0/30     0x00000000
2           0.0.0.52/30    0x00000034   1:1(1) 2:1(1)
3           0.0.0.48/30    0x00000030   2:1(2) 2:2(1)
4           0.0.0.44/30    0x0000002c   2:2(2) 1:2(2)
5           0.0.0.40/30    0x00000028   1:2(1) 1:1(2)
6           0.0.0.36/30    0x00000024   1:2(3) 1:3(0)
7           0.0.0.32/30    0x00000020   2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --
1                0                   0.0.0.16/28        62.5
2                1                   0.0.0.0/28         62.5
```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
```

```
--- Phase II: connect Point-To-Point links
```

```
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
```

```
## Elapsed time: 0.203 seconds
```

```
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
338.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 129.687223837 SUCCESS
682.839139411 [ sid 1 start 369.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 312.939296747 SUCCESS
3273.256877627 [ sid 2 start 720.081140034 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 2553.175737593 SUCCESS
3584.475189739 [ sid 3 start 3298.842732712 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 285.632457027 SUCCESS
5563.75438763 [ sid 4 start 3591.259603723 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1972.494783907 SUCCESS
6675.5306368 [ sid 5 start 5632.38213853 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 1043.14849827 SUCCESS
7109.594292204 [ sid 6 start 6775.170838549 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 334.423453655 SUCCESS
7317.231851359 [ sid 7 start 7285.656504776 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 31.575346583 SUCCESS
7416.193069952 [ sid 8 start 7384.617568492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 31.57550146 SUCCESS
```

```

8162.873689903 [ sid 9 start 7905.786528124 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 257.087161779 SUCCESS
8663.965345943 [ sid 10 start 8172.77533959 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 491.190006353 SUCCESS
9309.297752347 [ sid 11 start 8704.191896209 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 605.105856138 SUCCESS
9994.335423232 [ sid 12 start 9461.67604107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 532.659382162 SUCCESS
10737.417426063 [ sid 13 start 10065.920781351 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 7 total: 142388B seconds: 671.496644712 SUCCESS
11000.640720644 [ sid 14 start 10969.064295264 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 3721B seconds: 31.57642538 SUCCESS
11056.146733236 [ sid 15 start 11014.045241984 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5775B seconds: 42.101491252 SUCCESS
11397.123379834 [ sid 16 start 11355.024137186 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5057B seconds: 42.099242648 SUCCESS
11888.553264423 [ sid 17 start 11539.680664355 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 9 total: 38978B seconds: 348.872600068 SUCCESS
12347.543031071 [ sid 18 start 11903.338181295 ] clnt 1:3 srv 2:3(0) #pages:
5 #objects: 7 total: 41612B seconds: 444.204849776 SUCCESS
15912.516621743 [ sid 19 start 12394.103119822 ] clnt 1:3 srv 2:3(0) #pages:
13 #objects: 77 total: 489383B seconds: 3518.413501921 SUCCESS
17830.991069078 [ sid 20 start 16009.419225058 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 34 total: 1394852B seconds: 1821.57184402 SUCCESS
19724.204511981 [ sid 21 start 18196.660260176 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 29 total: 169536B seconds: 1527.544251805 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 287402 events, 1282 ms, 235 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 2                1:2(1)                -    100    - 2 i
~# 1:1   | *> 1                self                  -    -    - i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2   | *> 2                2:2(2)                -    100    - 2
~# 1:2   | *> 1                self                  -    -    - i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1   | *> 2                self                  -    -    - i
~# 2:1   | *> 1                1:1(1)                -    -    - 1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....

```

```
~# 2:2    --- Loc-RIB at bgp@2:2:
```

```

~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2 (2) - - - 1

```

### 3.3. BGP-C2 EN T2

**Tabla 19.** Paquetes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 3. BGP-C2 en t2

P. Recibidos	P. Perdidos	Tasa de Perdida
58	0	0
54	4	0.068965517
47	11	0.189655172
40	18	0.310344828
31	27	0.465517241
19	39	0.672413793

**Tabla 20.** Paquetes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 3. BGP-C2 en t2

B. Recibidos	B. Perdidos	Tasa de Perdida
6,805,731	0	0
6,467,168	338,563	0.04974675
5,764,549	1,041,182	0.152986064
5,317,362	1,488,369	0.218693481
4,159,415	2,646,316	0.388836409
1,002,004	5,803,727	0.852770555

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.16/28      0x00000010   1
0/0         0.0.0.20/30      0x00000014
0/1         0.0.0.16/30      0x00000010
1           0.0.0.0/28       0x00000000   2
1/0         0.0.0.4/30       0x00000004
1/1         0.0.0.0/30       0x00000000
2           0.0.0.52/30      0x00000034   1:1 (1) 2:1 (1)
3           0.0.0.48/30      0x00000030   2:1 (2) 2:2 (1)
4           0.0.0.44/30      0x0000002c   2:2 (2) 1:2 (2)

```

5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.234 seconds

\*\* Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

```

271.390000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 62.487223837 SUCCESS
392.989580495 [ sid 1 start 302.699842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 90.289737831 SUCCESS
1367.827578122 [ sid 2 start 430.231581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 937.595997004 SUCCESS
1417.985145429 [ sid 3 start 1393.413433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 24.571712222 SUCCESS
2308.766781884 [ sid 4 start 1424.769559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 883.997222471 SUCCESS
2900.293521884 [ sid 5 start 2377.394532784 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 522.8989891 SUCCESS
3113.557177288 [ sid 6 start 2999.933723633 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 113.623453655 SUCCESS
3292.394736443 [ sid 7 start 3289.61938986 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 2.775346583 SUCCESS
3362.555955036 [ sid 8 start 3359.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 2.77550146 SUCCESS
3965.233462195 [ sid 9 start 3852.149413208 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 113.084048987 SUCCESS
4235.001116975 [ sid 10 start 3975.135111882 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 259.866005093 SUCCESS
4485.797030927 [ sid 11 start 4275.227667241 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 210.569363686 SUCCESS
4902.027990785 [ sid 12 start 4638.17531965 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 263.852671135 SUCCESS
5302.657548756 [ sid 13 start 4973.613348904 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 329.044199852 SUCCESS
5537.080843337 [ sid 14 start 5534.304417957 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 2.77642538 SUCCESS
5554.186855929 [ sid 15 start 5550.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 3.701491252 SUCCESS
5856.763502527 [ sid 16 start 5853.064259879 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 3.699242648 SUCCESS

```

6060.193387116 [ sid 17 start 5999.320787048 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 60.872600068 SUCCESS  
6278.257596108 [ sid 18 start 6074.978303988 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 203.27929212 SUCCESS  
7136.398349578 [ sid 19 start 6324.817684859 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 811.580664719 SUCCESS  
7611.509880023 [ sid 20 start 7233.300952893 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 378.20892713 SUCCESS  
8472.903316626 [ sid 21 start 7977.179071121 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 495.724245505 SUCCESS  
8899.654561485 [ sid 22 start 8818.717062759 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 80.937498726 SUCCESS  
9000.560047455 [ sid 23 start 8995.929600728 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 4.630446727 SUCCESS  
9424.24062279 [ sid 24 start 9115.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 308.597032766 SUCCESS  
9478.576536427 [ sid 25 start 9472.839064133 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 5.737472294 SUCCESS  
9634.260382754 [ sid 26 start 9549.382460531 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 84.877922223 SUCCESS  
10363.023424506 [ sid 27 start 10051.429298918 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 311.594125588 SUCCESS  
10515.9136833 [ sid 28 start 10364.181975163 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 151.731708137 SUCCESS  
10642.560976229 [ sid 29 start 10578.371396236 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 64.189579993 SUCCESS  
11443.100309543 [ sid 30 start 10943.498369044 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 499.601940499 SUCCESS  
11740.845828405 [ sid 31 start 11652.709125337 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 88.136703068 SUCCESS  
12067.247157614 [ sid 32 start 11808.724551634 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 258.52260598 SUCCESS  
12638.616736272 [ sid 33 start 12105.401312306 ] clnt 1:3 srv 2:3(0) #pages: 11  
#objects: 28 total: 135744B seconds: 533.215423966 SUCCESS  
12726.359392144 [ sid 34 start 12686.415417185 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 13734B seconds: 39.943974959 SUCCESS  
12942.757599082 [ sid 35 start 12783.251346273 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 15 total: 279592B seconds: 159.506252809 SUCCESS  
13107.160228635 [ sid 36 start 13016.40766813 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 129799B seconds: 90.752560505 SUCCESS  
13241.907226123 [ sid 37 start 13206.96066694 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 23575B seconds: 34.946559183 SUCCESS  
14727.882512138 [ sid 38 start 13336.4428172 ] clnt 1:3 srv 2:3(0) #pages: 22  
#objects: 83 total: 459043B seconds: 1391.439694938 SUCCESS  
14857.569885886 [ sid 39 start 14774.131528376 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 23047B seconds: 83.43835751 SUCCESS  
14883.296173251 [ sid 40 start 14859.503550058 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 7 total: 31551B seconds: 23.792623193 SUCCESS  
15129.079465551 [ sid 41 start 15056.945079203 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 5724B seconds: 72.134386348 SUCCESS  
15206.472087479 [ sid 42 start 15164.054016016 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 6086B seconds: 42.418071463 SUCCESS  
15971.110181658 [ sid 43 start 15304.83139952 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 49 total: 306349B seconds: 666.278782138 SUCCESS  
16001.751461793 [ sid 44 start 15993.174830288 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 35439B seconds: 8.576631505 SUCCESS

```

16123.026952368 [ sid 45 start 16119.326184552 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 3.700767816 SUCCESS
16198.746184107 [ sid 46 start 16169.717502235 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 29.028681872 SUCCESS
16440.881516086 [ sid 47 start 16201.863884337 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 239.017631749 SUCCESS
16753.016527471 [ sid 48 start 16483.59091644 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 24092B seconds: 269.425611031 SUCCESS
17441.817676484 [ sid 49 start 16754.954242462 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 686.863434022 SUCCESS
18666.286775294 [ sid 50 start 17505.734498466 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1160.552276828 SUCCESS
18729.959347233 [ sid 51 start 18677.019719914 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 38347B seconds: 52.939627319 SUCCESS
18775.646354402 [ sid 52 start 18763.058035523 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 3 total: 58702B seconds: 12.588318879 SUCCESS
18926.174073093 [ sid 53 start 18860.311278712 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 65.862794381 SUCCESS
19055.209228347 [ sid 54 start 19050.577955357 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 16493B seconds: 4.63127299 SUCCESS
19122.918210895 [ sid 55 start 19074.838695745 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 48.07951515 SUCCESS
19304.919596324 [ sid 56 start 19302.144258896 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 2295B seconds: 2.775337428 SUCCESS
19766.831823398 [ sid 57 start 19361.893848792 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 35 total: 293058B seconds: 404.937974606 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 305122 events, 1516 ms, 207 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                2:1(1)          -      100      - 2
~# 1:1    | *> 1                self            -      -        - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *> 2                1:1(2)         -      100      - 2 i
~# 1:2    | *> 1                self            -      -        - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *> 2                self            -      -        - i
~# 2:1    | *> 1                1:1(1)         -      -        - 1
.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2    --- Loc-RIB at bgp@2:2:

```

```

~# 2:2 | NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                self            -      -      - i
~# 2:2 | *> 1                1:2(2)         -      -      - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
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-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

274.190000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 65.287223837 SUCCESS
404.189580495 [ sid 1 start 305.499842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 98.689737831 SUCCESS
1445.027578122 [ sid 2 start 441.431581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1003.595997004 SUCCESS
1505.185145429 [ sid 3 start 1470.613433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 34.571712222 SUCCESS
2439.566781884 [ sid 4 start 1511.969559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 927.597222471 SUCCESS

```



3051.893521884 [ sid 5 start 2508.194532784 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 543.6989891 SUCCESS  
3274.357177288 [ sid 6 start 3151.533723633 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 122.823453655 SUCCESS  
3454.394736443 [ sid 7 start 3450.41938986 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 3.975346583 SUCCESS  
3525.755955036 [ sid 8 start 3521.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 3.97550146 SUCCESS  
4134.433462195 [ sid 9 start 4015.349413208 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 119.084048987 SUCCESS  
4413.401116975 [ sid 10 start 4144.335111882 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 269.066005093 SUCCESS  
4680.197030927 [ sid 11 start 4453.627667241 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 226.569363686 SUCCESS  
5107.627990785 [ sid 12 start 4832.57531965 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 275.052671135 SUCCESS  
5519.457548756 [ sid 13 start 5179.213348904 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 340.244199852 SUCCESS  
5755.080843337 [ sid 14 start 5751.104417957 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 3.97642538 SUCCESS  
5773.786855929 [ sid 15 start 5768.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 5.301491252 SUCCESS  
6077.963502527 [ sid 16 start 6072.664259879 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 5.299242648 SUCCESS  
6293.393387116 [ sid 17 start 6220.520787048 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 72.872600068 SUCCESS  
6521.057596108 [ sid 18 start 6308.178303988 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 212.87929212 SUCCESS  
7487.598349578 [ sid 19 start 6567.617684859 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 919.980664719 SUCCESS  
8016.709880023 [ sid 20 start 7584.500952893 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 432.20892713 SUCCESS  
8918.903316626 [ sid 21 start 8382.379071121 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 536.524245505 SUCCESS  
9353.654561485 [ sid 22 start 9264.717062759 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 88.937498726 SUCCESS  
9456.560047455 [ sid 23 start 9449.929600728 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 6.630446727 SUCCESS  
9919.44062279 [ sid 24 start 9571.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 347.797032766 SUCCESS  
9976.176536427 [ sid 25 start 9968.039064133 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 8.137472294 SUCCESS  
10137.460382754 [ sid 26 start 10046.982460531 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 90.477922223 SUCCESS  
10880.223424506 [ sid 27 start 10554.629298918 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 325.594125588 SUCCESS  
11039.9136833 [ sid 28 start 10881.381975163 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 158.531708137 SUCCESS  
11174.960976229 [ sid 29 start 11102.371396236 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 72.589579993 SUCCESS  
12006.300309543 [ sid 30 start 11475.898369044 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 530.401940499 SUCCESS  
12311.245828405 [ sid 31 start 12215.909125337 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 95.336703068 SUCCESS  
12646.047157614 [ sid 32 start 12379.124551634 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 266.92260598 SUCCESS

```

13257.016736272 [ sid 33 start 12684.201312306 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 572.815423966 SUCCESS
13347.559392144 [ sid 34 start 13304.815417185 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 42.743974959 SUCCESS
13587.957599082 [ sid 35 start 13404.451346273 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 183.506252809 SUCCESS
13761.960228635 [ sid 36 start 13661.60766813 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 129799B seconds: 100.352560505 SUCCESS
13900.307226123 [ sid 37 start 13861.76066694 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 38.546559183 SUCCESS
15501.482512138 [ sid 38 start 13994.8428172 ] clnt 1:3 srv 2:3(0) #pages: 22
#objects: 83 total: 459043B seconds: 1506.639694938 SUCCESS
15637.569885886 [ sid 39 start 15547.731528376 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 89.83835751 SUCCESS
15672.896173251 [ sid 40 start 15639.503550058 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 33.392623193 SUCCESS
15921.079465551 [ sid 41 start 15846.545079203 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 74.534386348 SUCCESS
16000.872087479 [ sid 42 start 15956.054016016 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 6086B seconds: 44.818071463 SUCCESS
16835.110181658 [ sid 43 start 16099.23139952 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 49 total: 306349B seconds: 735.878782138 SUCCESS
16869.351461793 [ sid 44 start 16857.174830288 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 35439B seconds: 12.176631505 SUCCESS
16992.226952368 [ sid 45 start 16986.926184552 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 5.300767816 SUCCESS
17079.546184107 [ sid 46 start 17038.917502235 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 40.628681872 SUCCESS
17336.481516086 [ sid 47 start 17082.663884337 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 253.817631749 SUCCESS
17657.816527471 [ sid 48 start 17379.19091644 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 24092B seconds: 278.625611031 SUCCESS
18371.417676484 [ sid 49 start 17659.754242462 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 711.663434022 SUCCESS
19657.486773876 [ sid 50 start 18435.334498466 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1222.15227541 SUCCESS
19724.759345815 [ sid 51 start 19668.219718496 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 38347B seconds: 56.539627319 SUCCESS
19775.646352984 [ sid 52 start 19757.858034105 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 3 total: 58702B seconds: 17.788318879 SUCCESS
19928.974071675 [ sid 53 start 19860.311277294 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 68.662794381 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 302179 events, 1438 ms, 219 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                2:1(1)          -      100      - 2
~# 1:1    | *>  1                self            -      -        - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:

```

```

~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                  1:1(2)          -    100      - 2 i
~# 1:2 | *> 1                  self            -     -        - i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....

```

```

~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                  self            -     -        - i
~# 2:1 | *> 1                  1:1(1)         -     -        - 1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....

```

```

~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                  self            -     -        - i
~# 2:2 | *> 1                  1:2(2)         -     -        - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```

**      Using specified 1.0ns clock resolution

```

```

--- Phase I: construct table of routers and hosts

```

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

282.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 10931B seconds: 73.687223837 SUCCESS  
437.789580495 [ sid 1 start 313.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 55443B seconds: 123.889737831 SUCCESS  
1676.627578122 [ sid 2 start 475.031581118 ] clnt 1:3 srv 2:3(0) #pages: 18  
#objects: 48 total: 206334B seconds: 1201.595997004 SUCCESS  
1766.785145429 [ sid 3 start 1702.213433207 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 6 total: 60264B seconds: 64.571712222 SUCCESS  
2831.966781884 [ sid 4 start 1773.569559413 ] clnt 1:3 srv 2:3(0) #pages: 17  
#objects: 32 total: 159035B seconds: 1058.397222471 SUCCESS  
3506.693521884 [ sid 5 start 2900.594532784 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 606.0989891 SUCCESS  
3756.757177288 [ sid 6 start 3606.333723633 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 150.423453655 SUCCESS  
3940.394736443 [ sid 7 start 3932.81938986 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 7.575346583 SUCCESS  
4015.355955036 [ sid 8 start 4007.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 7.57550146 SUCCESS  
4642.033462195 [ sid 9 start 4504.949413208 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 137.084048987 SUCCESS  
4948.601116975 [ sid 10 start 4651.935111882 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 296.666005093 SUCCESS  
5263.397030927 [ sid 11 start 4988.827667241 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 274.569363686 SUCCESS  
5724.427990785 [ sid 12 start 5415.77531965 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 308.652671135 SUCCESS  
6169.857548756 [ sid 13 start 5796.013348904 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 373.844199852 SUCCESS  
6409.080843337 [ sid 14 start 6401.504417957 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 7.57642538 SUCCESS  
6432.586855929 [ sid 15 start 6422.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 10.101491252 SUCCESS  
6741.563502527 [ sid 16 start 6731.464259879 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 10.099242648 SUCCESS  
6992.993387116 [ sid 17 start 6884.120787048 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 108.872600068 SUCCESS  
7249.457596108 [ sid 18 start 7007.778303988 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 241.67929212 SUCCESS  
8541.198349578 [ sid 19 start 7296.017684859 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 1245.180664719 SUCCESS  
9232.309880023 [ sid 20 start 8638.100952893 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 594.20892713 SUCCESS  
10256.903316626 [ sid 21 start 9597.979071121 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 658.924245505 SUCCESS  
10715.654561485 [ sid 22 start 10602.717062759 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 112.937498726 SUCCESS

```

10824.560047455 [ sid 23 start 10811.929600728 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 15450B seconds: 12.630446727 SUCCESS
11405.04062279 [ sid 24 start 10939.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 465.397032766 SUCCESS
11468.976536427 [ sid 25 start 11453.639064133 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 15.337472294 SUCCESS
11647.060382754 [ sid 26 start 11539.782460531 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 107.277922223 SUCCESS
12431.823424506 [ sid 27 start 12064.229298918 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 367.594125588 SUCCESS
12611.9136833 [ sid 28 start 12432.981975163 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 51113B seconds: 178.931708137 SUCCESS
12772.160976229 [ sid 29 start 12674.371396236 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 6 total: 32369B seconds: 97.789579993 SUCCESS
13695.900309543 [ sid 30 start 13073.098369044 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 622.801940499 SUCCESS
14022.445828405 [ sid 31 start 13905.509125337 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 116.936703068 SUCCESS
14382.447157614 [ sid 32 start 14090.324551634 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 292.12260598 SUCCESS
15112.216736272 [ sid 33 start 14420.601312306 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 691.615423966 SUCCESS
15211.159392144 [ sid 34 start 15160.015417185 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 51.143974959 SUCCESS
15523.557599082 [ sid 35 start 15268.051346273 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 255.506252809 SUCCESS
15726.360228635 [ sid 36 start 15597.20766813 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 129799B seconds: 129.152560505 SUCCESS
15875.507226123 [ sid 37 start 15826.16066694 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 49.346559183 SUCCESS
17822.282512138 [ sid 38 start 15970.0428172 ] clnt 1:3 srv 2:3(0) #pages: 22
#objects: 83 total: 459043B seconds: 1852.239694938 SUCCESS
17977.569885886 [ sid 39 start 17868.531528376 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 109.03835751 SUCCESS
18041.696173251 [ sid 40 start 17979.503550058 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 62.192623193 SUCCESS
18297.079465551 [ sid 41 start 18215.345079203 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 81.734386348 SUCCESS
18384.072087479 [ sid 42 start 18332.054016016 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 6086B seconds: 52.018071463 SUCCESS
19427.110181658 [ sid 43 start 18482.43139952 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 49 total: 306349B seconds: 944.678782138 SUCCESS
19472.151461793 [ sid 44 start 19449.174830288 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 35439B seconds: 22.976631505 SUCCESS
19599.826952368 [ sid 45 start 19589.726184552 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 10.100767816 SUCCESS
19721.946184107 [ sid 46 start 19646.517502235 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 75.428681872 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 299885 events, 1422 ms, 220 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:

```

```

~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                2:1(1)          -      100      - 2
~# 1:1 | *> 1                self             -      -        - i

.....
.....      bgp@1:2 wrap-up      .....
.....

~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                1:1(2)          -      100      - 2 i
~# 1:2 | *> 1                self             -      -        - i

.....
.....      bgp@2:1 wrap-up      .....
.....

~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self             -      -        - i
~# 2:1 | *> 1                1:1(1)          -      -        - 1

.....
.....      bgp@2:2 wrap-up      .....
.....

~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                self             -      -        - i
~# 2:2 | *> 1                1:2(2)          -      -        - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5

```
2                1                0.0.0.0/28                62.5

**                Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.234 seconds

** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

289.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 80.687223837 SUCCESS
465.789580495 [ sid 1 start 320.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 144.889737831 SUCCESS
1869.627578122 [ sid 2 start 503.031581118 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1366.595997004 SUCCESS
1984.785145429 [ sid 3 start 1895.213433207 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 89.571712222 SUCCESS
3158.966781884 [ sid 4 start 1991.569559413 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1167.397222471 SUCCESS
3885.693521884 [ sid 5 start 3227.594532784 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 658.0989891 SUCCESS
4158.757177288 [ sid 6 start 3985.333723633 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 173.423453655 SUCCESS
4345.394736443 [ sid 7 start 4334.81938986 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 10.575346583 SUCCESS
4423.355955036 [ sid 8 start 4412.780453576 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 10.57550146 SUCCESS
5065.033462195 [ sid 9 start 4912.949413208 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 152.084048987 SUCCESS
5394.601116975 [ sid 10 start 5074.935111882 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 319.666005093 SUCCESS
5749.397030927 [ sid 11 start 5434.827667241 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 314.569363686 SUCCESS
6238.427990785 [ sid 12 start 5901.77531965 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 336.652671135 SUCCESS
6711.857548756 [ sid 13 start 6310.013348904 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 401.844199852 SUCCESS
6954.080843337 [ sid 14 start 6943.504417957 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 10.57642538 SUCCESS
6981.586855929 [ sid 15 start 6967.485364677 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 14.101491252 SUCCESS
7294.563502527 [ sid 16 start 7280.464259879 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 14.099242648 SUCCESS
7575.993387116 [ sid 17 start 7437.120787048 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 138.872600068 SUCCESS
7856.457596108 [ sid 18 start 7590.778303988 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 265.67929212 SUCCESS
9419.198349578 [ sid 19 start 7903.017684859 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 1516.180664719 SUCCESS
10245.309880023 [ sid 20 start 9516.100952893 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 729.20892713 SUCCESS
11371.903316626 [ sid 21 start 10610.979071121 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 760.924245505 SUCCESS
```

```

11850.654561485 [ sid 22 start 11717.717062759 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 202043B seconds: 132.937498726 SUCCESS
11964.560047455 [ sid 23 start 11946.929600728 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 15450B seconds: 17.630446727 SUCCESS
12643.04062279 [ sid 24 start 12079.643590024 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 563.397032766 SUCCESS
12712.976536427 [ sid 25 start 12691.639064133 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 21.337472294 SUCCESS
12905.060382754 [ sid 26 start 12783.782460531 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 121.277922223 SUCCESS
13724.823424506 [ sid 27 start 13322.229298918 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 402.594125588 SUCCESS
13921.9136833 [ sid 28 start 13725.981975163 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 51113B seconds: 195.931708137 SUCCESS
14103.160976229 [ sid 29 start 13984.371396236 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 6 total: 32369B seconds: 118.789579993 SUCCESS
15103.900309543 [ sid 30 start 14404.098369044 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 699.801940499 SUCCESS
15448.445828405 [ sid 31 start 15313.509125337 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 134.936703068 SUCCESS
15829.447157614 [ sid 32 start 15516.324551634 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 313.12260598 SUCCESS
16658.216736272 [ sid 33 start 15867.601312306 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 790.615423966 SUCCESS
16764.159392144 [ sid 34 start 16706.015417185 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 58.143974959 SUCCESS
17136.557599082 [ sid 35 start 16821.051346273 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 315.506252809 SUCCESS
17363.360228635 [ sid 36 start 17210.20766813 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 129799B seconds: 153.152560505 SUCCESS
17521.507226123 [ sid 37 start 17463.16066694 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 58.346559183 SUCCESS
19756.282512138 [ sid 38 start 17616.0428172 ] clnt 1:3 srv 2:3(0) #pages: 22
#objects: 83 total: 459043B seconds: 2140.239694938 SUCCESS
19927.569885886 [ sid 39 start 19802.531528376 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 125.03835751 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 296578 events, 1360 ms, 225 Kevt/s
-----
```

```

..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 2:1(1) - 100 - 2
~# 1:1 | *> 1 self - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2 1:1(2) - 100 - 2 i
~# 1:2 | *> 1 self - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:

```



```

~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                  self              -      -      - i
~# 2:1 | *> 1                  1:1(1)            -      -      - 1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....

```

```

~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                  self              -      -      - i
~# 2:2 | *> 1                  1:2(2)            -      -      - 1

```

```

-----
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|
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|      (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:2(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```

**      Using specified 1.0ns clock resolution

```

```

--- Phase I: construct table of routers and hosts

```

```

--- Phase II: connect Point-To-Point links

```

```

--- Phase III: add static routes

```

```

## Net config: 6 routers and hosts

```

```

## Elapsed time: 0.203 seconds

```

```

** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

```

310.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 10931B seconds: 101.687223837 SUCCESS  
562.839139411 [ sid 1 start 341.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 55443B seconds: 220.939296747 SUCCESS  
2481.256877627 [ sid 2 start 600.081140034 ] clnt 1:3 srv 2:3(0) #pages: 18  
#objects: 48 total: 206334B seconds: 1881.175737593 SUCCESS  
2684.475189739 [ sid 3 start 2506.842732712 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 6 total: 60264B seconds: 177.632457027 SUCCESS  
4211.75438763 [ sid 4 start 2691.259603723 ] clnt 1:3 srv 2:3(0) #pages: 17  
#objects: 32 total: 159035B seconds: 1520.494783907 SUCCESS  
5107.5306368 [ sid 5 start 4280.38213853 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 827.14849827 SUCCESS  
5449.594292204 [ sid 6 start 5207.170838549 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 242.423453655 SUCCESS  
5645.231851359 [ sid 7 start 5625.656504776 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 19.575346583 SUCCESS  
5732.193069952 [ sid 8 start 5712.617568492 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 19.57550146 SUCCESS  
6418.873689903 [ sid 9 start 6221.786528124 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 197.087161779 SUCCESS  
6823.965345943 [ sid 10 start 6428.77533959 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 395.190006353 SUCCESS  
7305.297752347 [ sid 11 start 6864.191896209 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 441.105856138 SUCCESS  
7878.335423232 [ sid 12 start 7457.67604107 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 420.659382162 SUCCESS  
8481.417426063 [ sid 13 start 7949.920781351 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 531.496644712 SUCCESS  
8732.640720644 [ sid 14 start 8713.064295264 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 19.57642538 SUCCESS  
8772.146733236 [ sid 15 start 8746.045241984 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 26.101491252 SUCCESS  
9097.123379834 [ sid 16 start 9071.024137186 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 26.099242648 SUCCESS  
9468.553264423 [ sid 17 start 9239.680664355 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 228.872600068 SUCCESS  
9827.543031071 [ sid 18 start 9483.338181295 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 344.204849776 SUCCESS  
12268.516621743 [ sid 19 start 9874.103119822 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 2394.413501921 SUCCESS  
13590.991069078 [ sid 20 start 12365.419225058 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 1225.57184402 SUCCESS  
15056.204511981 [ sid 21 start 13956.660260176 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 1099.544251805 SUCCESS  
15647.138428544 [ sid 22 start 15402.018258114 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 245.12017043 SUCCESS  
15782.568169319 [ sid 23 start 15743.413467787 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 39.154701532 SUCCESS  
16865.989016896 [ sid 24 start 15897.651711888 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 968.337305008 SUCCESS  
16953.924930533 [ sid 25 start 16914.587458239 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 39.337472294 SUCCESS  
17188.00877686 [ sid 26 start 17024.730854637 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 163.277922223 SUCCESS

```

18112.771818612 [ sid 27 start 17605.177693024 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 507.594125588 SUCCESS
18373.913192718 [ sid 28 start 18113.930369269 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 259.982823449 SUCCESS
18624.686043303 [ sid 29 start 18436.370905654 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 6 total: 32369B seconds: 188.315137649 SUCCESS
19902.09545807 [ sid 30 start 18925.623436118 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 21 total: 212702B seconds: 976.472021952 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 292324 events, 1313 ms, 233 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                2:1(1)                -    100    - 2
~# 1:1  | *> 1                self                  -    -      - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2  | *> 2                1:1(2)                -    100    - 2 i
~# 1:2  | *> 1                self                  -    -      - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self                  -    -      - i
~# 2:1  | *> 1                1:1(1)                -    -      - 1
.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2  | *> 2                self                  -    -      - i
~# 2:2  | *> 1                1:2(2)                -    -      - 1

```

```

-----
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-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26          0x00000000
0            0.0.0.16/28          0x00000010    1
0/0         0.0.0.20/30          0x00000014

```

```

0/1          0.0.0.16/30          0x00000010
1            0.0.0.0/28            0x00000000    2
1/0          0.0.0.4/30          0x00000004
1/1          0.0.0.0/30          0x00000000
2            0.0.0.52/30         0x00000034    1:1(1) 2:1(1)
3            0.0.0.48/30         0x00000030    2:1(2) 2:2(1)
4            0.0.0.44/30         0x0000002c    2:2(2) 1:2(2)
5            0.0.0.40/30         0x00000028    1:2(1) 1:1(2)
6            0.0.0.36/30         0x00000024    1:2(3) 1:3(0)
7            0.0.0.32/30         0x00000020    2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --              0.0.0.0/26          90.625
1                0                0.0.0.16/28         62.5
2                1                0.0.0.0/28          62.5

```

\*\* Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes

## Net config: 6 routers and hosts

## Elapsed time: 0.219 seconds

\*\* Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

422.590000131 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 213.687223837 SUCCESS
1042.839139411 [ sid 1 start 453.899842664 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 588.939296747 SUCCESS
5649.256877627 [ sid 2 start 1080.081140034 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 4569.175737593 SUCCESS
6284.475189739 [ sid 3 start 5674.842732712 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 609.632457027 SUCCESS
9619.75438763 [ sid 4 start 6291.259603723 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 3328.494783907 SUCCESS
11379.5306368 [ sid 5 start 9688.38213853 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 1691.14849827 SUCCESS
12089.594292204 [ sid 6 start 11479.170838549 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 610.423453655 SUCCESS
12333.231851359 [ sid 7 start 12265.656504776 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 67.575346583 SUCCESS
12468.193069952 [ sid 8 start 12400.617568492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 67.57550146 SUCCESS
13394.873689903 [ sid 9 start 12957.786528124 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 437.087161779 SUCCESS
14183.965345943 [ sid 10 start 13404.77533959 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 779.190006353 SUCCESS
15321.297752347 [ sid 11 start 14224.191896209 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 11 total: 70697B seconds: 1097.105856138 SUCCESS
16342.335423232 [ sid 12 start 15473.67604107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 868.659382162 SUCCESS

```

```

17505.417426063 [ sid 13 start 16413.920781351 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 7 total: 142388B seconds: 1091.496644712 SUCCESS
17804.640720644 [ sid 14 start 17737.064295264 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 3721B seconds: 67.57642538 SUCCESS
17908.146733236 [ sid 15 start 17818.045241984 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5775B seconds: 90.101491252 SUCCESS
18297.123379834 [ sid 16 start 18207.024137186 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5057B seconds: 90.099242648 SUCCESS
19148.553264423 [ sid 17 start 18439.680664355 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 9 total: 38978B seconds: 708.872600068 SUCCESS
19907.543031071 [ sid 18 start 19163.338181295 ] clnt 1:3 srv 2:3(0) #pages:
5 #objects: 7 total: 41612B seconds: 744.204849776 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 273757 events, 1234 ms, 233 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *>  2                2:1(1)          -      100      -  2
~# 1:1  | *>  1                self            -      -        -  i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2  | *>  2                1:1(2)          -      100      -  2 i
~# 1:2  | *>  1                self            -      -        -  i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  2                self            -      -        -  i
~# 2:1  | *>  1                1:1(1)          -      -        -  1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2  | *>  2                self            -      -        -  i
~# 2:2  | *>  1                1:2(2)          -      -        -  1

```

## 4. ESCENARIO 4

### 4.1. BGP-4

La *Tabla 21*, muestra el tamaño en bytes de los paquetes, como el total de bytes acumulados.

**Tabla 21.** Información que recepciona el Servidor HTTP

Paquetes	Bytes	Bytes Totales			
1	10,931	10,931	31	212,702	4,159,415
2	55,443	66,374	32	31,825	4,191,240
3	206,334	272,708	33	61,588	4,252,828
4	60,264	332,972	34	135,744	4,388,572
5	159,035	422,007	35	13,734	4,402,306
6	77,848	569,855	36	279,592	4,681,898
7	22,907	592,762	37	129,799	4,811,697
8	2,307	595,069	38	23,575	4,835,272
9	2,510	597,579	39	459,043	5,294,315
10	25,095	622,674	40	23,047	5,317,362
11	32,423	655,097	41	31,551	5,348,913
12	70,697	725,794	42	5,724	5,354,637
13	38,679	764,473	43	6,086	5,360,723
14	142,388	906,861	44	306,349	5,667,072
15	3,721	910,582	45	35,439	5,702,511
16	5,775	916,357	46	5,544	5,708,055
17	5,057	921,414	47	56,494	5,764,549
18	38,978	960,392	48	57,224	5,821,773
19	41,612	1,002,004	49	24,092	5,845,865
20	489,383	1,491,387	50	118,474	5,964,339
21	1,394,852	2,886,239	51	396,711	6,361,050
22	169,536	3,055,775	52	38,347	6,399,397
23	202,043	3,257,818	53	58,702	6,458,099
24	15,450	3,273,268	54	9,069	6,467,168
25	520,140	3,793,408	55	16,493	6,483,661
26	5,544	3,798,952	56	26,717	6,510,378
27	14,470	3,813,422	57	2,295	6,512,673
28	49,809	3,863,231	58	293,058	6,805,731
29	51,113	3,914,344			
30	32,369	3,946,713			

La *Tabla 2*, indica la cantidad de paquetes y bytes recibidos como perdidos que se presetaron en diversas ejecuciones, considerando que tienen el mismo tiempo de simulación.

**Tabla 22.** Relación de Paquetes y Bytes Recibidos como Perdidos. Escenario 4. BGP-4

P. Recibidos	P. Perdidos	Tasa de Perdida	B. Recibidos	B. Perdidos	Tasa de Perdida
<b>58</b>	0	0	6,805,731	0	0
<b>20</b>	38	0.655172413	1,491,387	5,314,344	0.78086306

4	54	0.931034482	332,972	6,472,759	0.95107476
---	----	-------------	---------	-----------	------------

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

271.940543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 63.037767202 SUCCESS
395.190228077 [ sid 1 start 303.250386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 91.939842048 SUCCESS
1383.018567206 [ sid 2 start 432.4322287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 950.586338506 SUCCESS
1435.142214551 [ sid 3 start 1408.604422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 26.537792226 SUCCESS
2334.499507758 [ sid 4 start 1441.926628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 892.572879223 SUCCESS
2930.119666464 [ sid 5 start 2403.127258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 526.992407806 SUCCESS
3145.195398065 [ sid 6 start 3029.759868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 115.435529852 SUCCESS

```

3324.269122359 [ sid 7 start 3321.257610637 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 3.011511722 SUCCESS  
3394.666506091 [ sid 8 start 3391.654839492 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 3.011666599 SUCCESS  
3998.523718188 [ sid 9 start 3884.259964263 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 114.263753925 SUCCESS  
4270.10157157 [ sid 10 start 4008.425367875 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 261.676203695 SUCCESS  
4524.044310384 [ sid 11 start 4310.328121836 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 213.716188548 SUCCESS  
4942.479495246 [ sid 12 start 4676.422599107 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 266.056896139 SUCCESS  
5345.309700799 [ sid 13 start 5014.064853365 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 331.244847434 SUCCESS  
5579.969160519 [ sid 14 start 5576.95657 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 3.012590519 SUCCESS  
5597.389722998 [ sid 15 start 5593.373681859 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 4.016041139 SUCCESS  
5900.281467274 [ sid 16 start 5896.267126948 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 4.014340326 SUCCESS  
6106.071477375 [ sid 17 start 6042.838751795 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 63.23272558 SUCCESS  
6326.023607486 [ sid 18 start 6120.856394247 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 205.167213239 SUCCESS  
7205.486203809 [ sid 19 start 6372.583696237 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 832.902507572 SUCCESS  
7691.214823874 [ sid 20 start 7302.388807124 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 388.82601675 SUCCESS  
8560.632965693 [ sid 21 start 8056.884014972 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 503.748950721 SUCCESS  
8988.954575804 [ sid 22 start 8906.446711826 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 82.507863978 SUCCESS  
9090.252653087 [ sid 23 start 9085.229615047 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 5.02303804 SUCCESS  
9521.638693963 [ sid 24 start 9205.336195656 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 316.302498307 SUCCESS  
9576.446937878 [ sid 25 start 9570.237135306 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 6.209802572 SUCCESS  
9733.233978937 [ sid 26 start 9647.252861982 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 85.981116955 SUCCESS  
10464.751290859 [ sid 27 start 10150.402895101 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 314.348395758 SUCCESS  
10618.978331552 [ sid 28 start 10465.909841516 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 153.068490036 SUCCESS  
10747.27838983 [ sid 29 start 10681.436044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 65.842345342 SUCCESS  
11553.874915522 [ sid 30 start 11048.215782645 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 505.659132877 SUCCESS  
11853.036695849 [ sid 31 start 11763.483731316 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 89.552964533 SUCCESS  
12181.089655153 [ sid 32 start 11920.915419078 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 260.174236075 SUCCESS  
12760.251670982 [ sid 33 start 12219.243809845 ] clnt 1:3 srv 2:3(0) #pages: 11  
#objects: 28 total: 135744B seconds: 541.007861137 SUCCESS  
12848.544870219 [ sid 34 start 12808.050351895 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 13734B seconds: 40.494518324 SUCCESS



```

13069.662437833 [ sid 35 start 12905.436824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 164.225613485 SUCCESS
13235.951194073 [ sid 36 start 13143.312506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 92.638687192 SUCCESS
13371.4051611 [ sid 37 start 13335.751632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 35.653528722 SUCCESS
14880.046709651 [ sid 38 start 13465.940752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1414.105957474 SUCCESS
15010.993122181 [ sid 39 start 14926.295725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 84.697396292 SUCCESS
15038.608301887 [ sid 40 start 15012.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 25.681515534 SUCCESS
15284.863924465 [ sid 41 start 15212.257207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 72.606716626 SUCCESS
15362.728876671 [ sid 42 start 15319.83847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 42.890401741 SUCCESS
16141.061225556 [ sid 43 start 15461.088188712 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 49 total: 306349B seconds: 679.973036844 SUCCESS
16172.40947523 [ sid 44 start 16163.125874186 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 35439B seconds: 9.283601044 SUCCESS
16293.999691931 [ sid 45 start 16289.984197989 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 4.015493942 SUCCESS
16371.999973211 [ sid 46 start 16340.690241798 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 56494B seconds: 31.309731413 SUCCESS
16617.045974067 [ sid 47 start 16375.117673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 241.928300626 SUCCESS
16930.992027865 [ sid 48 start 16659.755374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 271.236653444 SUCCESS
17624.669902142 [ sid 49 start 16932.929742856 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 691.740159286 SUCCESS
18861.255775342 [ sid 50 start 17688.586724124 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1172.669051218 SUCCESS
18925.63531682 [ sid 51 start 18871.988719962 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 38347B seconds: 53.646596858 SUCCESS
18972.343671754 [ sid 52 start 18958.73400511 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 3 total: 58702B seconds: 13.609666644 SUCCESS
19123.422391574 [ sid 53 start 19057.008596064 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 66.41379551 SUCCESS
19252.850138141 [ sid 54 start 19247.826273838 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 16493B seconds: 5.023864303 SUCCESS
19321.896372558 [ sid 55 start 19272.479605539 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 49.416767019 SUCCESS
19504.133923126 [ sid 56 start 19501.122420559 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 2295B seconds: 3.011502567 SUCCESS
19976.427268467 [ sid 57 start 19561.108175594 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 35 total: 293058B seconds: 415.319092873 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 290332 events, 1578 ms, 191 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                2:1(1)                -      -      - 2

```

```

~# 1:1 | *> 1 self - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2 2:2(2) - - - 2
~# 1:2 | *> 1 self - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
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|
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)
NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```
** Using specified 1.0ns clock resolution
```

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
355.940543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 147.037767202 SUCCESS
757.196213167 [ sid 1 start 387.250386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 369.945827138 SUCCESS
3764.037944139 [ sid 2 start 794.43821379 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 2969.599730349 SUCCESS
4142.177164868 [ sid 3 start 3789.623799224 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 352.553365644 SUCCESS
6401.544871859 [ sid 4 start 4148.961578852 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 2252.583293007 SUCCESS
7647.170981931 [ sid 5 start 6470.172622759 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 1176.998359172 SUCCESS
8138.246713532 [ sid 6 start 7746.81118368 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 391.435529852 SUCCESS
8353.320437826 [ sid 7 start 8314.308926104 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 39.011511722 SUCCESS
8459.717821558 [ sid 8 start 8420.706154959 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 39.011666599 SUCCESS
9243.578146447 [ sid 9 start 8949.31127973 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 294.266866717 SUCCESS
9804.158214176 [ sid 10 start 9253.479796134 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 550.678418042 SUCCESS
10551.114141805 [ sid 11 start 9844.384764442 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 706.729377363 SUCCESS
11305.554878789 [ sid 12 start 10703.492430528 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 602.062448261 SUCCESS
12135.385020811 [ sid 13 start 11377.140236908 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 758.244783903 SUCCESS
12406.044480531 [ sid 14 start 12367.031890012 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 39.012590519 SUCCESS
12471.46504301 [ sid 15 start 12419.449001871 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 52.016041139 SUCCESS
12822.356787286 [ sid 16 start 12770.34244696 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 52.014340326 SUCCESS
13388.146797387 [ sid 17 start 12964.914071807 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 423.23272558 SUCCESS
13909.102698241 [ sid 18 start 13402.931714259 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 506.170983982 SUCCESS
18170.581069826 [ sid 19 start 13955.662786992 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 4214.918282834 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 280621 events, 1250 ms, 236 Kevt/s
-----

```

```

.....
..... bgp@1:1 wrap-up .....
.....
~# 1:1 --- Loc-RIB at bgp@1:1:
~# 1:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2 2:1(1) - - - 2

```

```

~# 1:1 | *> 1 self - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2 2:2(2) - - - 2
~# 1:2 | *> 1 self - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
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| (c)2000,2001,2002,2003 Renesys Corporation
|
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-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

691.940543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 483.037767202 SUCCESS
2197.196213167 [ sid 1 start 723.250386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 1473.945827138 SUCCESS
13268.037944139 [ sid 2 start 2234.43821379 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 11033.599730349 SUCCESS
14942.177164868 [ sid 3 start 13293.623799224 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 1648.553365644 SUCCESS
-----
| 1 timelines, 5 barriers, 270600 events, 1187 ms, 244 Kevt/s
-----
.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1   --- Loc-RIB at bgp@1:1:
~# 1:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1   | *> 2                  2:1(1)          -      -      - 2
~# 1:1   | *> 1                  self            -      -      - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2   --- Loc-RIB at bgp@1:2:
~# 1:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2   | *> 2                  2:2(2)          -      -      - 2
~# 1:2   | *> 1                  self            -      -      - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1   --- Loc-RIB at bgp@2:1:
~# 2:1   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1   | *> 2                  self            -      -      - i
~# 2:1   | *> 1                  1:1(1)          -      -      - 1
.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2   --- Loc-RIB at bgp@2:2:
~# 2:2   |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2   | *> 2                  self            -      -      - i
~# 2:2   | *> 1                  1:2(2)          -      -      - 1

```

## 4.2. BGP-C2 EN T1

**Tabla 23.** Paquetes Perdidos vs Tasa de Pérdida en la Ruta1. Escenario 4. BGP-C2 en t1

P. Recibidos	P. Perdidos	Tasa de Perdida
58	0	0
52	6	0.103448276
50	8	0.137931034
43	15	0.25862069
38	20	0.344827586

**Tabla 24.** Bytes Perdidos vs Tasa de Perdida en la Ruta1. Escenario 4. BGP-C2 en t1

B. Recibidos	B. Perdidos	Tasa de Perdida
6,805,731	0	0
6,399,397	347,632	0.051079304
5,964,339	841,392	0.123629923
5,360,723	1,445,008	0.212322233
4,835,272	1,970,459	0.289529369

```

-----
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|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26      0x00000000
0            0.0.0.16/28      0x00000010   1
0/0         0.0.0.20/30      0x00000014
0/1         0.0.0.16/30      0x00000010
1           0.0.0.0/28       0x00000000   2
1/0         0.0.0.4/30       0x00000004
1/1         0.0.0.0/30       0x00000000
2           0.0.0.52/30     0x00000034   1:1 (1) 2:1 (1)
3           0.0.0.48/30     0x00000030   2:1 (2) 2:2 (1)
4           0.0.0.44/30     0x0000002c   2:2 (2) 1:2 (2)
5           0.0.0.40/30     0x00000028   1:2 (1) 1:1 (2)
6           0.0.0.36/30     0x00000024   1:1 (3) 1:3 (0)
7           0.0.0.32/30     0x00000020   2:2 (3) 2:3 (0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --
1                0                   0.0.0.0/26          90.625
2                1                   0.0.0.16/28         62.5

```

```
**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts

--- Phase II: connect Point-To-Point links

--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

271.660543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 62.757767202 SUCCESS
394.070228077 [ sid 1 start 302.970386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 91.099842048 SUCCESS
1375.298567206 [ sid 2 start 431.3122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 943.986338506 SUCCESS
1426.422214551 [ sid 3 start 1400.884422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 25.53779226 SUCCESS
2321.419507758 [ sid 4 start 1433.206628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 888.212879223 SUCCESS
2914.959666464 [ sid 5 start 2390.047258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 524.912407806 SUCCESS
3129.115398065 [ sid 6 start 3014.599868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 114.515529852 SUCCESS
3308.069122359 [ sid 7 start 3305.177610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 2.891511722 SUCCESS
3378.346506091 [ sid 8 start 3375.454839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 2.891666599 SUCCESS
3981.603718188 [ sid 9 start 3867.939964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 113.663753925 SUCCESS
4252.26157157 [ sid 10 start 3991.505367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 260.756203695 SUCCESS
4504.604310384 [ sid 11 start 4292.488121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 212.116188548 SUCCESS
4921.919495246 [ sid 12 start 4656.982599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 264.936896139 SUCCESS
5323.629700799 [ sid 13 start 4993.504853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 330.124847434 SUCCESS
5558.169160519 [ sid 14 start 5555.27657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 2.892590519 SUCCESS
5575.429722998 [ sid 15 start 5571.573681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 3.856041139 SUCCESS
5878.161467274 [ sid 16 start 5874.307126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 3.854340326 SUCCESS
6082.751477375 [ sid 17 start 6020.718751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 62.03272558 SUCCESS
6301.743607486 [ sid 18 start 6097.536394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 204.207213239 SUCCESS
7170.366203809 [ sid 19 start 6348.303696237 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 822.062507572 SUCCESS
7650.694823874 [ sid 20 start 7267.268807124 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 383.42601675 SUCCESS
8516.032965693 [ sid 21 start 8016.364014972 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 499.668950721 SUCCESS
```

8943.554575804 [ sid 22 start 8861.846711826 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 81.707863978 SUCCESS  
9044.652653087 [ sid 23 start 9039.829615047 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 4.82303804 SUCCESS  
9472.118693963 [ sid 24 start 9159.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 312.382498307 SUCCESS  
9526.686937878 [ sid 25 start 9520.717135306 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 5.969802572 SUCCESS  
9682.913978937 [ sid 26 start 9597.492861982 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 85.421116955 SUCCESS  
10413.031290859 [ sid 27 start 10100.082895101 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 312.948395758 SUCCESS  
10566.578331552 [ sid 28 start 10414.189841516 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 152.388490036 SUCCESS  
10694.03838983 [ sid 29 start 10629.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 65.002345342 SUCCESS  
11497.554915522 [ sid 30 start 10994.975782645 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 502.579132877 SUCCESS  
11795.996695849 [ sid 31 start 11707.163731316 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 88.832964533 SUCCESS  
12123.209655153 [ sid 32 start 11863.875419078 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 259.334236075 SUCCESS  
12698.411670982 [ sid 33 start 12161.363809845 ] clnt 1:3 srv 2:3(0) #pages: 11  
#objects: 28 total: 135744B seconds: 537.047861137 SUCCESS  
12786.424870219 [ sid 34 start 12746.210351895 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 13734B seconds: 40.214518324 SUCCESS  
13005.142437833 [ sid 35 start 12843.316824348 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 15 total: 279592B seconds: 161.825613485 SUCCESS  
13170.471194073 [ sid 36 start 13078.792506881 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 129799B seconds: 91.678687192 SUCCESS  
13305.5651611 [ sid 37 start 13270.271632378 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 23575B seconds: 35.293528722 SUCCESS  
14802.686709651 [ sid 38 start 13400.100752177 ] clnt 1:3 srv 2:3(0) #pages: 22  
#objects: 83 total: 459043B seconds: 1402.585957474 SUCCESS  
14932.993122181 [ sid 39 start 14848.935725889 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 23047B seconds: 84.057396292 SUCCESS  
14959.648301887 [ sid 40 start 14934.926786353 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 7 total: 31551B seconds: 24.721515534 SUCCESS  
15205.663924465 [ sid 41 start 15133.297207839 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 5724B seconds: 72.366716626 SUCCESS  
15283.288876671 [ sid 42 start 15240.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 6086B seconds: 42.650401741 SUCCESS  
16054.661225556 [ sid 43 start 15381.648188712 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 49 total: 306349B seconds: 673.013036844 SUCCESS  
16085.64947523 [ sid 44 start 16076.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 35439B seconds: 8.923601044 SUCCESS  
16207.079691931 [ sid 45 start 16203.224197989 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5544B seconds: 3.855493942 SUCCESS  
16283.919973211 [ sid 46 start 16253.770241798 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 8 total: 56494B seconds: 30.149731413 SUCCESS  
16527.485974067 [ sid 47 start 16287.037673441 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 11 total: 57224B seconds: 240.448300626 SUCCESS  
16840.512027865 [ sid 48 start 16570.195374421 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 24092B seconds: 270.316653444 SUCCESS  
17531.709902142 [ sid 49 start 16842.449742856 ] clnt 1:3 srv 2:3(0) #pages: 12  
#objects: 17 total: 118474B seconds: 689.260159286 SUCCESS



```

18762.135775342 [ sid 50 start 17595.626724124 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1166.509051218 SUCCESS
18826.15531682 [ sid 51 start 18772.868719962 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 38347B seconds: 53.286596858 SUCCESS
18872.343671754 [ sid 52 start 18859.25400511 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 3 total: 58702B seconds: 13.089666644 SUCCESS
19023.142391574 [ sid 53 start 18957.008596064 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 66.13379551 SUCCESS
19152.370138141 [ sid 54 start 19147.546273838 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 16493B seconds: 4.823864303 SUCCESS
19220.736372558 [ sid 55 start 19171.999605539 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 48.736767019 SUCCESS
19402.853923126 [ sid 56 start 19399.962420559 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 2295B seconds: 2.891502567 SUCCESS
19869.867268467 [ sid 57 start 19459.828175594 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 35 total: 293058B seconds: 410.039092873 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 290112 events, 1437 ms, 210 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *>  2                1:2(1)          -      100      - 2 i
~# 1:1  | *>  1                self            -      -        -  i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2  | *>  2                2:2(2)          -      100      - 2
~# 1:2  | *>  1                self            -      -        -  i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *>  2                self            -      -        -  i
~# 2:1  | *>  1                1:1(1)          -      -        -  1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2  | *>  2                self            -      -        -  i
~# 2:2  | *>  1                1:2(2)          -      -        -  1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys

```

```
|
|      Terms: Free Educational/US Government End User License
|      (http://www.renesys.com/raceway_free_license.html)
|
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.16/28       0x00000010   1
0/0         0.0.0.20/30       0x00000014
0/1         0.0.0.16/30       0x00000010
1           0.0.0.0/28       0x00000000   2
1/0         0.0.0.4/30        0x00000004
1/1         0.0.0.0/30        0x00000000
2           0.0.0.52/30      0x00000034   1:1(1) 2:1(1)
3           0.0.0.48/30      0x00000030   2:1(2) 2:2(1)
4           0.0.0.44/30      0x0000002c   2:2(2) 1:2(2)
5           0.0.0.40/30      0x00000028   1:2(1) 1:1(2)
6           0.0.0.36/30      0x00000024   1:1(3) 1:3(0)
7           0.0.0.32/30      0x00000020   2:2(3) 2:3(0)
```

```
NHI Addr          CIDR Level          IP Address Block    % util
--             --
1              0              0.0.0.0/26          90.625
2              1              0.0.0.0/28          62.5
```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.234 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

274.460543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 65.557767202 SUCCESS
405.270228077 [ sid 1 start 305.770386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 99.499842048 SUCCESS
1452.498567206 [ sid 2 start 442.5122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1009.986338506 SUCCESS
1513.622214551 [ sid 3 start 1478.084422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 35.53779226 SUCCESS
2452.219507758 [ sid 4 start 1520.406628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 931.812879223 SUCCESS
3066.559666464 [ sid 5 start 2520.847258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 545.712407806 SUCCESS
3289.915398065 [ sid 6 start 3166.199868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 123.715529852 SUCCESS
3470.069122359 [ sid 7 start 3465.977610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 4.091511722 SUCCESS
3541.546506091 [ sid 8 start 3537.454839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 4.091666599 SUCCESS
4150.803718188 [ sid 9 start 4031.139964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 119.663753925 SUCCESS
```

4430.66157157 [ sid 10 start 4160.705367875 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 269.956203695 SUCCESS  
4699.004310384 [ sid 11 start 4470.888121836 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 228.116188548 SUCCESS  
5127.519495246 [ sid 12 start 4851.382599107 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 276.136896139 SUCCESS  
5540.429700799 [ sid 13 start 5199.104853365 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 341.324847434 SUCCESS  
5776.169160519 [ sid 14 start 5772.07657 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 4.092590519 SUCCESS  
5795.029722998 [ sid 15 start 5789.573681859 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 5.456041139 SUCCESS  
6099.361467274 [ sid 16 start 6093.907126948 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 5.454340326 SUCCESS  
6315.951477375 [ sid 17 start 6241.918751795 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 74.03272558 SUCCESS  
6544.543607486 [ sid 18 start 6330.736394247 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 213.807213239 SUCCESS  
7521.566203809 [ sid 19 start 6591.103696237 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 930.462507572 SUCCESS  
8055.894823874 [ sid 20 start 7618.468807124 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 437.42601675 SUCCESS  
8962.032965693 [ sid 21 start 8421.564014972 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 540.468950721 SUCCESS  
9397.554575804 [ sid 22 start 9307.846711826 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 89.707863978 SUCCESS  
9500.652653087 [ sid 23 start 9493.829615047 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 6.82303804 SUCCESS  
9967.318693963 [ sid 24 start 9615.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 351.582498307 SUCCESS  
10024.286937878 [ sid 25 start 10015.917135306 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 2 total: 5544B seconds: 8.369802572 SUCCESS  
10186.113978937 [ sid 26 start 10095.092861982 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 14470B seconds: 91.021116955 SUCCESS  
10930.231290859 [ sid 27 start 10603.282895101 ] clnt 1:3 srv 2:3(0) #pages:  
7 #objects: 10 total: 49809B seconds: 326.948395758 SUCCESS  
11090.578331552 [ sid 28 start 10931.389841516 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 51113B seconds: 159.188490036 SUCCESS  
11226.43838983 [ sid 29 start 11153.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 73.402345342 SUCCESS  
12060.754915522 [ sid 30 start 11527.375782645 ] clnt 1:3 srv 2:3(0) #pages:  
9 #objects: 21 total: 212702B seconds: 533.379132877 SUCCESS  
12366.396695849 [ sid 31 start 12270.363731316 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 5 total: 31825B seconds: 96.032964533 SUCCESS  
12702.009655153 [ sid 32 start 12434.275419078 ] clnt 1:3 srv 2:3(0) #pages:  
6 #objects: 6 total: 61588B seconds: 267.734236075 SUCCESS  
13316.811670982 [ sid 33 start 12740.163809845 ] clnt 1:3 srv 2:3(0) #pages:  
11 #objects: 28 total: 135744B seconds: 576.647861137 SUCCESS  
13407.624870219 [ sid 34 start 13364.610351895 ] clnt 1:3 srv 2:3(0) #pages:  
2 #objects: 2 total: 13734B seconds: 43.014518324 SUCCESS  
13650.342437833 [ sid 35 start 13464.516824348 ] clnt 1:3 srv 2:3(0) #pages:  
4 #objects: 15 total: 279592B seconds: 185.825613485 SUCCESS  
13825.271194073 [ sid 36 start 13723.992506881 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 5 total: 129799B seconds: 101.278687192 SUCCESS  
13963.9651611 [ sid 37 start 13925.071632378 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 23575B seconds: 38.893528722 SUCCESS

```

15576.286709651 [ sid 38 start 14058.500752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1517.785957474 SUCCESS
15712.993122181 [ sid 39 start 15622.535725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 90.457396292 SUCCESS
15749.248301887 [ sid 40 start 15714.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 34.321515534 SUCCESS
15997.663924465 [ sid 41 start 15922.897207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 74.766716626 SUCCESS
16077.688876671 [ sid 42 start 16032.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 45.050401741 SUCCESS
16918.661225556 [ sid 43 start 16176.048188712 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 49 total: 306349B seconds: 742.613036844 SUCCESS
16953.24947523 [ sid 44 start 16940.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 35439B seconds: 12.523601044 SUCCESS
17076.279691931 [ sid 45 start 17070.824197989 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 5.455493942 SUCCESS
17164.719973211 [ sid 46 start 17122.970241798 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 41.749731413 SUCCESS
17423.085974067 [ sid 47 start 17167.837673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 255.248300626 SUCCESS
17745.312027865 [ sid 48 start 17465.795374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 279.516653444 SUCCESS
18461.309902142 [ sid 49 start 17747.249742856 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 714.060159286 SUCCESS
19753.335775342 [ sid 50 start 18525.226724124 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1228.109051218 SUCCESS
19820.95531682 [ sid 51 start 19764.068719962 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 38347B seconds: 56.886596858 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 288778 events, 1375 ms, 217 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *> 2                1:2(1)                -    100    - 2 i
~# 1:1    | *> 1                self                    -    -    - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *> 2                2:2(2)                -    100    - 2
~# 1:2    | *> 1                self                    -    -    - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *> 2                self                    -    -    - i

```

```

~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```

** Using specified 1.0ns clock resolution

```

```

--- Phase I: construct table of routers and hosts

```

```

--- Phase II: connect Point-To-Point links

```

```

--- Phase III: add static routes

```

```

## Net config: 6 routers and hosts

```

```

## Elapsed time: 0.219 seconds

```

```
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

276.560543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 67.657767202 SUCCESS
413.670228077 [ sid 1 start 307.870386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 105.799842048 SUCCESS
1510.398567206 [ sid 2 start 450.9122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1059.486338506 SUCCESS
1579.022214551 [ sid 3 start 1535.984422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 43.03779226 SUCCESS
2550.319507758 [ sid 4 start 1585.806628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 964.512879223 SUCCESS
3180.259666464 [ sid 5 start 2618.947258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 561.312407806 SUCCESS
3410.515398065 [ sid 6 start 3279.899868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 130.615529852 SUCCESS
3591.569122359 [ sid 7 start 3586.577610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 4.991511722 SUCCESS
3663.946506091 [ sid 8 start 3658.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 4.991666599 SUCCESS
4277.703718188 [ sid 9 start 4153.539964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 124.163753925 SUCCESS
4564.46157157 [ sid 10 start 4287.605367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 276.856203695 SUCCESS
4844.804310384 [ sid 11 start 4604.688121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 240.116188548 SUCCESS
5281.719495246 [ sid 12 start 4997.182599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 284.536896139 SUCCESS
5703.029700799 [ sid 13 start 5353.304853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 349.724847434 SUCCESS
5939.669160519 [ sid 14 start 5934.67657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 4.992590519 SUCCESS
5959.729722998 [ sid 15 start 5953.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 6.656041139 SUCCESS
6265.261467274 [ sid 16 start 6258.607126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 6.654340326 SUCCESS
6490.851477375 [ sid 17 start 6407.818751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 83.03272558 SUCCESS
6726.643607486 [ sid 18 start 6505.636394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 221.007213239 SUCCESS
7784.966203809 [ sid 19 start 6773.203696237 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 1011.762507572 SUCCESS
8359.794823874 [ sid 20 start 7881.868807124 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 477.92601675 SUCCESS
9296.532965693 [ sid 21 start 8725.464014972 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 571.068950721 SUCCESS
9738.054575804 [ sid 22 start 9642.346711826 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 95.707863978 SUCCESS
9842.652653087 [ sid 23 start 9834.329615047 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 8.32303804 SUCCESS
10338.718693963 [ sid 24 start 9957.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 380.982498307 SUCCESS
10397.486937878 [ sid 25 start 10387.317135306 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 10.169802572 SUCCESS
10563.513978937 [ sid 26 start 10468.292861982 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 95.221116955 SUCCESS
```

```

11318.131290859 [ sid 27 start 10980.682895101 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 337.448395758 SUCCESS
11483.578331552 [ sid 28 start 11319.289841516 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 164.288490036 SUCCESS
11625.73838983 [ sid 29 start 11546.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 79.702345342 SUCCESS
12483.154915522 [ sid 30 start 11926.675782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 556.479132877 SUCCESS
12794.196695849 [ sid 31 start 12692.763731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 101.432964533 SUCCESS
13136.109655153 [ sid 32 start 12862.075419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 274.034236075 SUCCESS
13780.611670982 [ sid 33 start 13174.263809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 606.347861137 SUCCESS
13873.524870219 [ sid 34 start 13828.410351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 45.114518324 SUCCESS
14134.242437833 [ sid 35 start 13930.416824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 203.825613485 SUCCESS
14316.371194073 [ sid 36 start 14207.892506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 108.478687192 SUCCESS
14457.7651611 [ sid 37 start 14416.171632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 41.593528722 SUCCESS
16156.486709651 [ sid 38 start 14552.300752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1604.185957474 SUCCESS
16297.993122181 [ sid 39 start 16202.735725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 95.257396292 SUCCESS
16341.448301887 [ sid 40 start 16299.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 41.521515534 SUCCESS
16591.663924465 [ sid 41 start 16515.097207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 76.566716626 SUCCESS
16673.488876671 [ sid 42 start 16626.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 46.850401741 SUCCESS
17566.661225556 [ sid 43 start 16771.848188712 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 49 total: 306349B seconds: 794.813036844 SUCCESS
17603.94947523 [ sid 44 start 17588.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 35439B seconds: 15.223601044 SUCCESS
17728.179691931 [ sid 45 start 17721.524197989 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 6.655493942 SUCCESS
17825.319973211 [ sid 46 start 17774.870241798 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 50.449731413 SUCCESS
18094.785974067 [ sid 47 start 17828.437673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 266.348300626 SUCCESS
18423.912027865 [ sid 48 start 18137.495374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 286.416653444 SUCCESS
19158.509902142 [ sid 49 start 18425.849742856 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 732.660159286 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 287721 events, 1375 ms, 219 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                1:2(1)                -    100      - 2 i

```

```

~# 1:1 | *> 1 self - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2 2:2(2) - 100 - 2
~# 1:2 | *> 1 self - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```
** Using specified 1.0ns clock resolution
```



```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

284.960543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 76.057767202 SUCCESS
447.270228077 [ sid 1 start 316.270386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 130.999842048 SUCCESS
1741.998567206 [ sid 2 start 484.5122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1257.486338506 SUCCESS
1840.622214551 [ sid 3 start 1767.584422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 73.03779226 SUCCESS
2942.719507758 [ sid 4 start 1847.406628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1095.312879223 SUCCESS
3635.059666464 [ sid 5 start 3011.347258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 623.712407806 SUCCESS
3892.915398065 [ sid 6 start 3734.699868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 158.215529852 SUCCESS
4077.569122359 [ sid 7 start 4068.977610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 8.591511722 SUCCESS
4153.546506091 [ sid 8 start 4144.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 8.591666599 SUCCESS
4785.303718188 [ sid 9 start 4643.139964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 142.163753925 SUCCESS
5099.66157157 [ sid 10 start 4795.205367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 304.456203695 SUCCESS
5428.004310384 [ sid 11 start 5139.888121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 288.116188548 SUCCESS
5898.519495246 [ sid 12 start 5580.382599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 318.136896139 SUCCESS
6353.429700799 [ sid 13 start 5970.104853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 383.324847434 SUCCESS
6593.669160519 [ sid 14 start 6585.07657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 8.592590519 SUCCESS
6618.529722998 [ sid 15 start 6607.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 11.456041139 SUCCESS
6928.861467274 [ sid 16 start 6917.407126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 11.454340326 SUCCESS
7190.451477375 [ sid 17 start 7071.418751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 119.03272558 SUCCESS
7455.043607486 [ sid 18 start 7205.236394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 249.807213239 SUCCESS
8838.566203809 [ sid 19 start 7501.603696237 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 1336.962507572 SUCCESS
9575.394823874 [ sid 20 start 8935.468807124 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 639.92601675 SUCCESS
10634.532965693 [ sid 21 start 9941.064014972 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 693.468950721 SUCCESS
11100.054575804 [ sid 22 start 10980.346711826 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 119.707863978 SUCCESS
11210.652653087 [ sid 23 start 11196.329615047 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 14.32303804 SUCCESS
```

```

11824.318693963 [ sid 24 start 11325.736195656 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 26 total: 520140B seconds: 498.582498307 SUCCESS
11890.286937878 [ sid 25 start 11872.917135306 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 17.369802572 SUCCESS
12073.113978937 [ sid 26 start 11961.092861982 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 112.021116955 SUCCESS
12869.731290859 [ sid 27 start 12490.282895101 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 379.448395758 SUCCESS
13055.578331552 [ sid 28 start 12870.889841516 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 184.688490036 SUCCESS
13222.93838983 [ sid 29 start 13118.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 104.902345342 SUCCESS
14172.754915522 [ sid 30 start 13523.875782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 648.879132877 SUCCESS
14505.396695849 [ sid 31 start 14382.363731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 123.032964533 SUCCESS
14872.509655153 [ sid 32 start 14573.275419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 299.234236075 SUCCESS
15635.811670982 [ sid 33 start 14910.663809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 725.147861137 SUCCESS
15737.124870219 [ sid 34 start 15683.610351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 53.514518324 SUCCESS
16069.842437833 [ sid 35 start 15794.016824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 275.825613485 SUCCESS
16280.771194073 [ sid 36 start 16143.492506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 137.278687192 SUCCESS
16432.9651611 [ sid 37 start 16380.571632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 52.393528722 SUCCESS
18477.286709651 [ sid 38 start 16527.500752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1949.785957474 SUCCESS
18637.993122181 [ sid 39 start 18523.535725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 114.457396292 SUCCESS
18710.248301887 [ sid 40 start 18639.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 70.321515534 SUCCESS
18967.663924465 [ sid 41 start 18883.897207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 83.766716626 SUCCESS
19056.688876671 [ sid 42 start 19002.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 54.050401741 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 287027 events, 1312 ms, 229 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                1:2(1)                -    100    - 2 i
~# 1:1 | *> 1                self                    -    -    - i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                2:2(2)                -    100    - 2

```

```

~# 1:2 | *> 1 self - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
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|
-----

```

```

CIDR          IP Block          b16          NHI
--           0.0.0.0/26      0x00000000
0            0.0.0.16/28     0x00000010   1
0/0          0.0.0.20/30     0x00000014
0/1          0.0.0.16/30     0x00000010
1            0.0.0.0/28      0x00000000   2
1/0          0.0.0.4/30      0x00000004
1/1          0.0.0.0/30      0x00000000
2            0.0.0.52/30     0x00000034   1:1(1) 2:1(1)
3            0.0.0.48/30     0x00000030   2:1(2) 2:2(1)
4            0.0.0.44/30     0x0000002c   2:2(2) 1:2(2)
5            0.0.0.40/30     0x00000028   1:2(1) 1:1(2)
6            0.0.0.36/30     0x00000024   1:1(3) 1:3(0)
7            0.0.0.32/30     0x00000020   2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block    % util
--              --
1                0                    0.0.0.0/26          90.625
2                1                    0.0.0.16/28         62.5

```

```

**          Using specified 1.0ns clock resolution
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes

```

```

## Net config: 6 routers and hosts
## Elapsed time: 0.234 seconds

```

```
** Running for 20000000000000 clock ticks (== 20000.0 seconds sim time)

296.160543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 87.257767202 SUCCESS
492.070228077 [ sid 1 start 327.470386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 164.599842048 SUCCESS
2050.798567206 [ sid 2 start 529.3122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1521.486338506 SUCCESS
2189.422214551 [ sid 3 start 2076.384422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 113.03779226 SUCCESS
3465.919507758 [ sid 4 start 2196.206628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1269.712879223 SUCCESS
4241.459666464 [ sid 5 start 3534.547258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 706.912407806 SUCCESS
4536.115398065 [ sid 6 start 4341.099868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 195.015529852 SUCCESS
4725.569122359 [ sid 7 start 4712.177610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 13.391511722 SUCCESS
4806.346506091 [ sid 8 start 4792.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 13.391666599 SUCCESS
5462.103718188 [ sid 9 start 5295.939964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 166.163753925 SUCCESS
5813.26157157 [ sid 10 start 5472.005367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 341.256203695 SUCCESS
6205.604310384 [ sid 11 start 5853.488121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 352.116188548 SUCCESS
6720.919495246 [ sid 12 start 6357.982599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 362.936896139 SUCCESS
7220.629700799 [ sid 13 start 6792.504853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 428.124847434 SUCCESS
7465.669160519 [ sid 14 start 7452.27657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 13.392590519 SUCCESS
7496.929722998 [ sid 15 start 7479.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 17.856041139 SUCCESS
7813.661467274 [ sid 16 start 7795.807126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 17.854340326 SUCCESS
8123.251477375 [ sid 17 start 7956.218751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 167.03272558 SUCCESS
8426.243607486 [ sid 18 start 8138.036394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 288.207213239 SUCCESS
10243.366203809 [ sid 19 start 8472.803696237 ] clnt 1:3 srv 2:3(0) #pages:
13 #objects: 77 total: 489383B seconds: 1770.562507572 SUCCESS
11196.194823874 [ sid 20 start 10340.268807124 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 34 total: 1394852B seconds: 855.92601675 SUCCESS
12418.532965693 [ sid 21 start 11561.864014972 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 29 total: 169536B seconds: 856.668950721 SUCCESS
12916.054575804 [ sid 22 start 12764.346711826 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 202043B seconds: 151.707863978 SUCCESS
13034.652653087 [ sid 23 start 13012.329615047 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 15450B seconds: 22.32303804 SUCCESS
13805.118693963 [ sid 24 start 13149.736195656 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 26 total: 520140B seconds: 655.382498307 SUCCESS
13880.686937878 [ sid 25 start 13853.717135306 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 26.969802572 SUCCESS
14085.913978937 [ sid 26 start 13951.492861982 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 134.421116955 SUCCESS
```

```

14938.531290859 [ sid 27 start 14503.082895101 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 435.448395758 SUCCESS
15151.578331552 [ sid 28 start 14939.689841516 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 211.888490036 SUCCESS
15352.53838983 [ sid 29 start 15214.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 138.502345342 SUCCESS
16425.554915522 [ sid 30 start 15653.475782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 772.079132877 SUCCESS
16786.996695849 [ sid 31 start 16635.163731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 151.832964533 SUCCESS
17187.709655153 [ sid 32 start 16854.875419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 332.834236075 SUCCESS
18109.411670982 [ sid 33 start 17225.863809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 883.547861137 SUCCESS
18221.924870219 [ sid 34 start 18157.210351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 64.714518324 SUCCESS
18650.642437833 [ sid 35 start 18278.816824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 371.825613485 SUCCESS
18899.971194073 [ sid 36 start 18724.292506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 175.678687192 SUCCESS
19066.5651611 [ sid 37 start 18999.771632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 66.793528722 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 282771 events, 1297 ms, 229 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                1:2(1)          -      100      - 2 i
~# 1:1    | *>  1                self            -      -        -  i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *>  2                2:2(2)          -      100      - 2
~# 1:2    | *>  1                self            -      -        -  i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *>  2                self            -      -        -  i
~# 2:1    | *>  1                1:1(1)          -      -        -  1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2    --- Loc-RIB at bgp@2:2:
~# 2:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2    | *>  2                self            -      -        -  i

```

~# 2:2 | \*&gt; 1

1:2 (2)

- - - 1

### 4.3. BGP-C2 EN T2

**Tabla 25.** Paquetes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 4. BGP-C2 en t2

P. Recibidos	P. Perdidos	Tasa de Perdida
58	0	0
56	2	0.034482759
49	9	0.155172414
41	17	0.293103448
37	21	0.362068966
30	28	0.482758621

**Tabla 4.** Bytes Perdidos vs Tasa de Perdida en la Ruta2. Escenario 4. BGP-C2 en t2

B. Recibidos	B. Perdidos	Tasa de Perdida
6,805,731	0	0
6,510,378	295,353	0.043397689
5,845,865	959,866	0.141037899
5,348,913	1,456,818	0.214057535
4,811,697	1,994,034	0.292993361
3,946,713	2,859,018	0.420089774

```

| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|

```

```

CIDR          IP Block          b16          NHI
--          0.0.0.0/26      0x00000000
0           0.0.0.16/28     0x00000010   1
0/0         0.0.0.20/30     0x00000014
0/1         0.0.0.16/30     0x00000010
1           0.0.0.0/28      0x00000000   2
1/0         0.0.0.4/30      0x00000004
1/1         0.0.0.0/30      0x00000000
2           0.0.0.52/30     0x00000034   1:1 (1) 2:1 (1)
3           0.0.0.48/30     0x00000030   2:1 (2) 2:2 (1)
4           0.0.0.44/30     0x0000002c   2:2 (2) 1:2 (2)
5           0.0.0.40/30     0x00000028   1:2 (1) 1:1 (2)
6           0.0.0.36/30     0x00000024   1:1 (3) 1:3 (0)

```

```

7          0.0.0.32/30          0x00000020      2:2(3) 2:3(0)

NHI Addr          CIDR Level          IP Address Block      % util
--              --
1                0                0.0.0.0/26            90.625
2                1                0.0.0.0/28            62.5

**          Using specified 1.0ns clock resolution

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes

## Net config: 6 routers and hosts
## Elapsed time: 0.235 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

271.660543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 62.757767202 SUCCESS
394.070228077 [ sid 1 start 302.970386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 91.099842048 SUCCESS
1375.298567206 [ sid 2 start 431.3122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 943.986338506 SUCCESS
1426.422214551 [ sid 3 start 1400.884422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 25.53779226 SUCCESS
2321.419507758 [ sid 4 start 1433.206628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 888.212879223 SUCCESS
2914.959666464 [ sid 5 start 2390.047258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 524.912407806 SUCCESS
3129.115398065 [ sid 6 start 3014.599868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 114.515529852 SUCCESS
3308.069122359 [ sid 7 start 3305.177610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 2.891511722 SUCCESS
3378.346506091 [ sid 8 start 3375.454839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 2.891666599 SUCCESS
3981.603718188 [ sid 9 start 3867.939964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 113.663753925 SUCCESS
4252.26157157 [ sid 10 start 3991.505367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 260.756203695 SUCCESS
4504.604310384 [ sid 11 start 4292.488121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 212.116188548 SUCCESS
4921.919495246 [ sid 12 start 4656.982599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 264.936896139 SUCCESS
5323.629700799 [ sid 13 start 4993.504853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 330.124847434 SUCCESS
5558.169160519 [ sid 14 start 5555.27657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 2.892590519 SUCCESS
5575.429722998 [ sid 15 start 5571.573681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 3.856041139 SUCCESS
5878.161467274 [ sid 16 start 5874.307126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 3.854340326 SUCCESS
6082.751477375 [ sid 17 start 6020.718751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 62.03272558 SUCCESS
6301.743607486 [ sid 18 start 6097.536394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 204.207213239 SUCCESS

```

7170.366203809 [ sid 19 start 6348.303696237 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 822.062507572 SUCCESS  
7650.694823874 [ sid 20 start 7267.268807124 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 383.42601675 SUCCESS  
8516.032965693 [ sid 21 start 8016.364014972 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 499.668950721 SUCCESS  
8943.554575804 [ sid 22 start 8861.846711826 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 81.707863978 SUCCESS  
9044.652653087 [ sid 23 start 9039.829615047 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 4.82303804 SUCCESS  
9472.118693963 [ sid 24 start 9159.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 312.382498307 SUCCESS  
9526.686937878 [ sid 25 start 9520.717135306 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 5.969802572 SUCCESS  
9682.913978937 [ sid 26 start 9597.492861982 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 85.421116955 SUCCESS  
10413.031290859 [ sid 27 start 10100.082895101 ] clnt 1:3 srv 2:3(0) #pages:  
7 #objects: 10 total: 49809B seconds: 312.948395758 SUCCESS  
10566.578331552 [ sid 28 start 10414.189841516 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 51113B seconds: 152.388490036 SUCCESS  
10694.03838983 [ sid 29 start 10629.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 65.002345342 SUCCESS  
11497.554915522 [ sid 30 start 10994.975782645 ] clnt 1:3 srv 2:3(0) #pages:  
9 #objects: 21 total: 212702B seconds: 502.579132877 SUCCESS  
11795.996695849 [ sid 31 start 11707.163731316 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 5 total: 31825B seconds: 88.832964533 SUCCESS  
12123.209655153 [ sid 32 start 11863.875419078 ] clnt 1:3 srv 2:3(0) #pages:  
6 #objects: 6 total: 61588B seconds: 259.334236075 SUCCESS  
12698.411670982 [ sid 33 start 12161.363809845 ] clnt 1:3 srv 2:3(0) #pages:  
11 #objects: 28 total: 135744B seconds: 537.047861137 SUCCESS  
12786.424870219 [ sid 34 start 12746.210351895 ] clnt 1:3 srv 2:3(0) #pages:  
2 #objects: 2 total: 13734B seconds: 40.214518324 SUCCESS  
13005.142437833 [ sid 35 start 12843.316824348 ] clnt 1:3 srv 2:3(0) #pages:  
4 #objects: 15 total: 279592B seconds: 161.825613485 SUCCESS  
13170.471194073 [ sid 36 start 13078.792506881 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 5 total: 129799B seconds: 91.678687192 SUCCESS  
13305.5651611 [ sid 37 start 13270.271632378 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 23575B seconds: 35.293528722 SUCCESS  
14802.686709651 [ sid 38 start 13400.100752177 ] clnt 1:3 srv 2:3(0) #pages:  
22 #objects: 83 total: 459043B seconds: 1402.585957474 SUCCESS  
14932.993122181 [ sid 39 start 14848.935725889 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 5 total: 23047B seconds: 84.057396292 SUCCESS  
14959.648301887 [ sid 40 start 14934.926786353 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 7 total: 31551B seconds: 24.721515534 SUCCESS  
15205.663924465 [ sid 41 start 15133.297207839 ] clnt 1:3 srv 2:3(0) #pages:  
2 #objects: 2 total: 5724B seconds: 72.366716626 SUCCESS  
15283.288876671 [ sid 42 start 15240.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 2 total: 6086B seconds: 42.650401741 SUCCESS  
16054.661225556 [ sid 43 start 15381.648188712 ] clnt 1:3 srv 2:3(0) #pages:  
8 #objects: 49 total: 306349B seconds: 673.013036844 SUCCESS  
16085.64947523 [ sid 44 start 16076.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 35439B seconds: 8.923601044 SUCCESS  
16207.079691931 [ sid 45 start 16203.224197989 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 1 total: 5544B seconds: 3.855493942 SUCCESS  
16283.919973211 [ sid 46 start 16253.770241798 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 8 total: 56494B seconds: 30.149731413 SUCCESS



```

16527.485974067 [ sid 47 start 16287.037673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 240.448300626 SUCCESS
16840.512027865 [ sid 48 start 16570.195374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 270.316653444 SUCCESS
17531.709902142 [ sid 49 start 16842.449742856 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 689.260159286 SUCCESS
18762.135775342 [ sid 50 start 17595.626724124 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1166.509051218 SUCCESS
18826.15531682 [ sid 51 start 18772.868719962 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 38347B seconds: 53.286596858 SUCCESS
18872.343671754 [ sid 52 start 18859.25400511 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 3 total: 58702B seconds: 13.089666644 SUCCESS
19023.142391574 [ sid 53 start 18957.008596064 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 66.13379551 SUCCESS
19152.370138141 [ sid 54 start 19147.546273838 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 16493B seconds: 4.823864303 SUCCESS
19220.736372558 [ sid 55 start 19171.999605539 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 48.736767019 SUCCESS
19402.853923126 [ sid 56 start 19399.962420559 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 2295B seconds: 2.891502567 SUCCESS
19869.867268467 [ sid 57 start 19459.828175594 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 35 total: 293058B seconds: 410.039092873 SUCCESS

```

```
-----
| 1 timelines, 5 barriers, 290094 events, 1406 ms, 215 Kevt/s
-----
```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                2:1(1)          -      100      - 2
~# 1:1    | *>  1                self            -      -        - i

```

```

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2    | *>  2                1:1(2)          -      100      - 2 i
~# 1:2    | *>  1                self            -      -        - i

```

```

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1    | *>  2                self            -      -        - i
~# 2:1    | *>  1                1:1(1)          -      -        - 1

```

```

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2    --- Loc-RIB at bgp@2:2:
~# 2:2    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2    | *>  2                self            -      -        - i

```

```
~# 2:2 | *> 1 1:2(2) - - - 1
```

```
-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----
```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```
** Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
## Elapsed time: 0.219 seconds
```

```
** Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
273.760543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 64.857767202 SUCCESS
402.470228077 [ sid 1 start 305.070386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 97.399842048 SUCCESS
1433.198567206 [ sid 2 start 439.7122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 993.486338506 SUCCESS
1491.822214551 [ sid 3 start 1458.784422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 33.03779226 SUCCESS
2419.519507758 [ sid 4 start 1498.606628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 920.912879223 SUCCESS
```

3028.659666464 [ sid 5 start 2488.147258658 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 540.512407806 SUCCESS  
3249.715398065 [ sid 6 start 3128.299868213 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 121.415529852 SUCCESS  
3429.569122359 [ sid 7 start 3425.777610637 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 3.791511722 SUCCESS  
3500.746506091 [ sid 8 start 3496.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 3.791666599 SUCCESS  
4108.503718188 [ sid 9 start 3990.339964263 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 118.163753925 SUCCESS  
4386.06157157 [ sid 10 start 4118.405367875 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 267.656203695 SUCCESS  
4650.404310384 [ sid 11 start 4426.288121836 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 224.116188548 SUCCESS  
5076.119495246 [ sid 12 start 4802.782599107 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 273.336896139 SUCCESS  
5486.229700799 [ sid 13 start 5147.704853365 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 338.524847434 SUCCESS  
5721.669160519 [ sid 14 start 5717.87657 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 3.792590519 SUCCESS  
5740.129722998 [ sid 15 start 5735.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 5.056041139 SUCCESS  
6044.061467274 [ sid 16 start 6039.007126948 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 5.054340326 SUCCESS  
6257.651477375 [ sid 17 start 6186.618751795 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 71.03272558 SUCCESS  
6483.843607486 [ sid 18 start 6272.436394247 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 211.407213239 SUCCESS  
7433.766203809 [ sid 19 start 6530.403696237 ] clnt 1:3 srv 2:3(0) #pages: 13  
#objects: 77 total: 489383B seconds: 903.362507572 SUCCESS  
7954.594823874 [ sid 20 start 7530.668807124 ] clnt 1:3 srv 2:3(0) #pages: 8  
#objects: 34 total: 1394852B seconds: 423.92601675 SUCCESS  
8850.532965693 [ sid 21 start 8320.264014972 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 29 total: 169536B seconds: 530.268950721 SUCCESS  
9284.054575804 [ sid 22 start 9196.346711826 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 202043B seconds: 87.707863978 SUCCESS  
9386.652653087 [ sid 23 start 9380.329615047 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 15450B seconds: 6.32303804 SUCCESS  
9843.518693963 [ sid 24 start 9501.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 26 total: 520140B seconds: 341.782498307 SUCCESS  
9899.886937878 [ sid 25 start 9892.117135306 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 2 total: 5544B seconds: 7.769802572 SUCCESS  
10060.313978937 [ sid 26 start 9970.692861982 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 14470B seconds: 89.621116955 SUCCESS  
10800.931290859 [ sid 27 start 10477.482895101 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 10 total: 49809B seconds: 323.448395758 SUCCESS  
10959.578331552 [ sid 28 start 10802.089841516 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 4 total: 51113B seconds: 157.488490036 SUCCESS  
11093.33838983 [ sid 29 start 11022.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 71.302345342 SUCCESS  
11919.954915522 [ sid 30 start 11394.275782645 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 21 total: 212702B seconds: 525.679132877 SUCCESS  
12223.796695849 [ sid 31 start 12129.563731316 ] clnt 1:3 srv 2:3(0) #pages: 3  
#objects: 5 total: 31825B seconds: 94.232964533 SUCCESS  
12557.309655153 [ sid 32 start 12291.675419078 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 6 total: 61588B seconds: 265.634236075 SUCCESS

```

13162.211670982 [ sid 33 start 12595.463809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 566.747861137 SUCCESS
13252.324870219 [ sid 34 start 13210.010351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 42.314518324 SUCCESS
13489.042437833 [ sid 35 start 13309.216824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 179.825613485 SUCCESS
13661.571194073 [ sid 36 start 13562.692506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 98.878687192 SUCCESS
13799.3651611 [ sid 37 start 13761.371632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 37.993528722 SUCCESS
15382.886709651 [ sid 38 start 13893.900752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1488.985957474 SUCCESS
15517.993122181 [ sid 39 start 15429.135725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 88.857396292 SUCCESS
15551.848301887 [ sid 40 start 15519.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 31.921515534 SUCCESS
15799.663924465 [ sid 41 start 15725.497207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 74.166716626 SUCCESS
15879.088876671 [ sid 42 start 15834.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 44.450401741 SUCCESS
16702.661225556 [ sid 43 start 15977.448188712 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 49 total: 306349B seconds: 725.213036844 SUCCESS
16736.34947523 [ sid 44 start 16724.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 35439B seconds: 11.623601044 SUCCESS
16858.979691931 [ sid 45 start 16853.924197989 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 5.055493942 SUCCESS
16944.519973211 [ sid 46 start 16905.670241798 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 38.849731413 SUCCESS
17199.185974067 [ sid 47 start 16947.637673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 251.548300626 SUCCESS
17519.112027865 [ sid 48 start 17241.895374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 277.216653444 SUCCESS
18228.909902142 [ sid 49 start 17521.049742856 ] clnt 1:3 srv 2:3(0) #pages:
12 #objects: 17 total: 118474B seconds: 707.860159286 SUCCESS
19505.535775342 [ sid 50 start 18292.826724124 ] clnt 1:3 srv 2:3(0) #pages:
23 #objects: 42 total: 396711B seconds: 1212.709051218 SUCCESS
19572.25531682 [ sid 51 start 19516.268719962 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 38347B seconds: 55.986596858 SUCCESS
19622.343671754 [ sid 52 start 19605.35400511 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 3 total: 58702B seconds: 16.989666644 SUCCESS
19775.242391574 [ sid 53 start 19707.008596064 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 9069B seconds: 68.23379551 SUCCESS
19905.970138141 [ sid 54 start 19899.646273838 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 16493B seconds: 6.323864303 SUCCESS
19979.436372558 [ sid 55 start 19925.599605539 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 5 total: 26717B seconds: 53.836767019 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 288776 events, 1391 ms, 217 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1    | *>  2                2:1(1)                -    100    - 2

```

```

~# 1:1 | *> 1 self - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2 1:1(2) - 100 - 2 i
~# 1:2 | *> 1 self - - - i

.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2 self - - - i
~# 2:1 | *> 1 1:1(1) - - - 1

.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
| Licensed to: "Renesys Support" (support@renesys.com)
| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)
NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

```
** Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)
280.760543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 71.857767202 SUCCESS
430.470228077 [ sid 1 start 312.070386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 118.399842048 SUCCESS
1626.198567206 [ sid 2 start 467.7122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1158.486338506 SUCCESS
1709.822214551 [ sid 3 start 1651.784422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 58.03779226 SUCCESS
2746.519507758 [ sid 4 start 1716.606628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1029.912879223 SUCCESS
3407.659666464 [ sid 5 start 2815.147258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 592.512407806 SUCCESS
3651.715398065 [ sid 6 start 3507.299868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 144.415529852 SUCCESS
3834.569122359 [ sid 7 start 3827.777610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 6.791511722 SUCCESS
3908.746506091 [ sid 8 start 3901.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 6.791666599 SUCCESS
4531.503718188 [ sid 9 start 4398.339964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 133.163753925 SUCCESS
4832.06157157 [ sid 10 start 4541.405367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 290.656203695 SUCCESS
5136.404310384 [ sid 11 start 4872.288121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 264.116188548 SUCCESS
5590.119495246 [ sid 12 start 5288.782599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 301.336896139 SUCCESS
6028.229700799 [ sid 13 start 5661.704853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 366.524847434 SUCCESS
6266.669160519 [ sid 14 start 6259.87657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 6.792590519 SUCCESS
6289.129722998 [ sid 15 start 6280.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 9.056041139 SUCCESS
6597.061467274 [ sid 16 start 6588.007126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 9.054340326 SUCCESS
6840.651477375 [ sid 17 start 6739.618751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 101.03272558 SUCCESS
7090.843607486 [ sid 18 start 6855.436394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 235.407213239 SUCCESS
8311.766203809 [ sid 19 start 7137.403696237 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 1174.362507572 SUCCESS
8967.594823874 [ sid 20 start 8408.668807124 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 558.92601675 SUCCESS
9965.532965693 [ sid 21 start 9333.264014972 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 632.268950721 SUCCESS
10419.054575804 [ sid 22 start 10311.346711826 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 107.707863978 SUCCESS
10526.652653087 [ sid 23 start 10515.329615047 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 11.32303804 SUCCESS
11081.518693963 [ sid 24 start 10641.736195656 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 439.782498307 SUCCESS
11143.886937878 [ sid 25 start 11130.117135306 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 5544B seconds: 13.769802572 SUCCESS
```

```

11318.313978937 [ sid 26 start 11214.692861982 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 103.621116955 SUCCESS
12093.931290859 [ sid 27 start 11735.482895101 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 358.448395758 SUCCESS
12269.578331552 [ sid 28 start 12095.089841516 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 174.488490036 SUCCESS
12424.33838983 [ sid 29 start 12332.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 92.302345342 SUCCESS
13327.954915522 [ sid 30 start 12725.275782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 602.679132877 SUCCESS
13649.796695849 [ sid 31 start 13537.563731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 112.232964533 SUCCESS
14004.309655153 [ sid 32 start 13717.675419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 286.634236075 SUCCESS
14708.211670982 [ sid 33 start 14042.463809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 665.747861137 SUCCESS
14805.324870219 [ sid 34 start 14756.010351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 49.314518324 SUCCESS
15102.042437833 [ sid 35 start 14862.216824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 239.825613485 SUCCESS
15298.571194073 [ sid 36 start 15175.692506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 122.878687192 SUCCESS
15445.3651611 [ sid 37 start 15398.371632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 46.993528722 SUCCESS
17316.886709651 [ sid 38 start 15539.900752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 1776.985957474 SUCCESS
17467.993122181 [ sid 39 start 17363.135725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 104.857396292 SUCCESS
17525.848301887 [ sid 40 start 17469.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 55.921515534 SUCCESS
17779.663924465 [ sid 41 start 17699.497207839 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 5724B seconds: 80.166716626 SUCCESS
17865.088876671 [ sid 42 start 17814.63847493 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 6086B seconds: 50.450401741 SUCCESS
18862.661225556 [ sid 43 start 17963.448188712 ] clnt 1:3 srv 2:3(0) #pages:
8 #objects: 49 total: 306349B seconds: 899.213036844 SUCCESS
18905.34947523 [ sid 44 start 18884.725874186 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 35439B seconds: 20.623601044 SUCCESS
19031.979691931 [ sid 45 start 19022.924197989 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 1 total: 5544B seconds: 9.055493942 SUCCESS
19146.519973211 [ sid 46 start 19078.670241798 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 8 total: 56494B seconds: 67.849731413 SUCCESS
19438.185974067 [ sid 47 start 19149.637673441 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 11 total: 57224B seconds: 288.548300626 SUCCESS
19781.112027865 [ sid 48 start 19480.895374421 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 7 total: 24092B seconds: 300.216653444 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 287684 events, 1343 ms, 224 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight
ASPathNHI

```

```

~# 1:1 | *> 2                2:1(1)                - 100 - 2
~# 1:1 | *> 1                self                    - - - i
.....
..... bgp@1:2 wrap-up .....
.....
~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                1:1(2)                - 100 - 2 i
~# 1:2 | *> 1                self                    - - - i
.....
..... bgp@2:1 wrap-up .....
.....
~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self                    - - - i
~# 2:1 | *> 1                1:1(1)                - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                self                    - - - i
~# 2:2 | *> 1                1:2(2)                - - - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
| (c)2000,2001,2002,2003 Renesys Corporation
|
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| Organization: Renesys
| Terms: Free Educational/US Government End User License
| (http://www.renesys.com/raceway_free_license.html)
|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

  

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution



```
--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes
## Net config: 6 routers and hosts
** Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)

289.160543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 80.257767202 SUCCESS
464.070228077 [ sid 1 start 320.470386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 143.599842048 SUCCESS
1857.798567206 [ sid 2 start 501.3122287 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 1356.486338506 SUCCESS
1971.422214551 [ sid 3 start 1883.384422291 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 88.03779226 SUCCESS
3138.919507758 [ sid 4 start 1978.206628535 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1160.712879223 SUCCESS
3862.459666464 [ sid 5 start 3207.547258658 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 654.912407806 SUCCESS
4134.115398065 [ sid 6 start 3962.099868213 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 172.015529852 SUCCESS
4320.569122359 [ sid 7 start 4310.177610637 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 10.391511722 SUCCESS
4398.346506091 [ sid 8 start 4387.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 10.391666599 SUCCESS
5039.103718188 [ sid 9 start 4887.939964263 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 151.163753925 SUCCESS
5367.26157157 [ sid 10 start 5049.005367875 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 318.256203695 SUCCESS
5719.604310384 [ sid 11 start 5407.488121836 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 312.116188548 SUCCESS
6206.919495246 [ sid 12 start 5871.982599107 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 334.936896139 SUCCESS
6678.629700799 [ sid 13 start 6278.504853365 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 400.124847434 SUCCESS
6920.669160519 [ sid 14 start 6910.27657 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 10.392590519 SUCCESS
6947.929722998 [ sid 15 start 6934.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 13.856041139 SUCCESS
7260.661467274 [ sid 16 start 7246.807126948 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 13.854340326 SUCCESS
7540.251477375 [ sid 17 start 7403.218751795 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 137.03272558 SUCCESS
7819.243607486 [ sid 18 start 7555.036394247 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 264.207213239 SUCCESS
9365.366203809 [ sid 19 start 7865.803696237 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 1499.562507572 SUCCESS
10183.194823874 [ sid 20 start 9462.268807124 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 720.92601675 SUCCESS
11303.532965693 [ sid 21 start 10548.864014972 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 754.668950721 SUCCESS
11781.054575804 [ sid 22 start 11649.346711826 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 131.707863978 SUCCESS
11894.652653087 [ sid 23 start 11877.329615047 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 17.32303804 SUCCESS
```

```

12567.118693963 [ sid 24 start 12009.736195656 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 26 total: 520140B seconds: 557.382498307 SUCCESS
12636.686937878 [ sid 25 start 12615.717135306 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 2 total: 5544B seconds: 20.969802572 SUCCESS
12827.913978937 [ sid 26 start 12707.492861982 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 14470B seconds: 120.421116955 SUCCESS
13645.531290859 [ sid 27 start 13245.082895101 ] clnt 1:3 srv 2:3(0) #pages:
7 #objects: 10 total: 49809B seconds: 400.448395758 SUCCESS
13841.578331552 [ sid 28 start 13646.689841516 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 4 total: 51113B seconds: 194.888490036 SUCCESS
14021.53838983 [ sid 29 start 13904.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 117.502345342 SUCCESS
15017.554915522 [ sid 30 start 14322.475782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 695.079132877 SUCCESS
15360.996695849 [ sid 31 start 15227.163731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 133.832964533 SUCCESS
15740.709655153 [ sid 32 start 15428.875419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 311.834236075 SUCCESS
16563.411670982 [ sid 33 start 15778.863809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 784.547861137 SUCCESS
16668.924870219 [ sid 34 start 16611.210351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 57.714518324 SUCCESS
17037.642437833 [ sid 35 start 16725.816824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 311.825613485 SUCCESS
17262.971194073 [ sid 36 start 17111.292506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 151.678687192 SUCCESS
17420.5651611 [ sid 37 start 17362.771632378 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 23575B seconds: 57.793528722 SUCCESS
19637.686709651 [ sid 38 start 17515.100752177 ] clnt 1:3 srv 2:3(0) #pages:
22 #objects: 83 total: 459043B seconds: 2122.585957474 SUCCESS
19807.993122181 [ sid 39 start 19683.935725889 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 23047B seconds: 124.057396292 SUCCESS
19894.648301887 [ sid 40 start 19809.926786353 ] clnt 1:3 srv 2:3(0) #pages:
1 #objects: 7 total: 31551B seconds: 84.721515534 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 285523 events, 1313 ms, 225 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1 | *> 2                2:1(1)          -      100      - 2
~# 1:1 | *> 1                self            -      -        - i
.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2    --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                1:1(2)          -      100      - 2 i
~# 1:2 | *> 1                self            -      -        - i
.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1    --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self            -      -        - i

```

```

~# 2:1 | *> 1 1:1(1) - - - 1
.....
..... bgp@2:2 wrap-up .....
.....
~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 | NetworkNHI NextHopNHI Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2 self - - - i
~# 2:2 | *> 1 1:2(2) - - - 1

```

```

-----
| Raceway SSF 2.0b01 (2 July 2003)
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|
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|
-----

```

CIDR	IP Block	b16	NHI
--	0.0.0.0/26	0x00000000	
0	0.0.0.16/28	0x00000010	1
0/0	0.0.0.20/30	0x00000014	
0/1	0.0.0.16/30	0x00000010	
1	0.0.0.0/28	0x00000000	2
1/0	0.0.0.4/30	0x00000004	
1/1	0.0.0.0/30	0x00000000	
2	0.0.0.52/30	0x00000034	1:1(1) 2:1(1)
3	0.0.0.48/30	0x00000030	2:1(2) 2:2(1)
4	0.0.0.44/30	0x0000002c	2:2(2) 1:2(2)
5	0.0.0.40/30	0x00000028	1:2(1) 1:1(2)
6	0.0.0.36/30	0x00000024	1:1(3) 1:3(0)
7	0.0.0.32/30	0x00000020	2:2(3) 2:3(0)

NHI Addr	CIDR Level	IP Address Block	% util
--	--	0.0.0.0/26	90.625
1	0	0.0.0.16/28	62.5
2	1	0.0.0.0/28	62.5

\*\* Using specified 1.0ns clock resolution

```

--- Phase I: construct table of routers and hosts
--- Phase II: connect Point-To-Point links
--- Phase III: add static routes

```

```

## Net config: 6 routers and hosts
## Elapsed time: 0.203 seconds
** Running for 2000000000000000 clock ticks (== 20000.0 seconds sim time)

```

```

300.360543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 91.457767202 SUCCESS
508.870228077 [ sid 1 start 331.670386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 177.199842048 SUCCESS

```

2166.598567206 [ sid 2 start 546.1122287 ] clnt 1:3 srv 2:3(0) #pages: 18  
#objects: 48 total: 206334B seconds: 1620.486338506 SUCCESS  
2320.222214551 [ sid 3 start 2192.184422291 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 6 total: 60264B seconds: 128.03779226 SUCCESS  
3662.119507758 [ sid 4 start 2327.006628535 ] clnt 1:3 srv 2:3(0) #pages: 17  
#objects: 32 total: 159035B seconds: 1335.112879223 SUCCESS  
4468.859666464 [ sid 5 start 3730.747258658 ] clnt 1:3 srv 2:3(0) #pages: 9  
#objects: 15 total: 77848B seconds: 738.112407806 SUCCESS  
4777.315398065 [ sid 6 start 4568.499868213 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 7 total: 22907B seconds: 208.815529852 SUCCESS  
4968.569122359 [ sid 7 start 4953.377610637 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2307B seconds: 15.191511722 SUCCESS  
5051.146506091 [ sid 8 start 5035.954839492 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 2510B seconds: 15.191666599 SUCCESS  
5715.903718188 [ sid 9 start 5540.739964263 ] clnt 1:3 srv 2:3(0) #pages: 4  
#objects: 4 total: 25095B seconds: 175.163753925 SUCCESS  
6080.86157157 [ sid 10 start 5725.805367875 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 7 total: 32423B seconds: 355.056203695 SUCCESS  
6497.204310384 [ sid 11 start 6121.088121836 ] clnt 1:3 srv 2:3(0) #pages: 6  
#objects: 11 total: 70697B seconds: 376.116188548 SUCCESS  
7029.319495246 [ sid 12 start 6649.582599107 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 8 total: 38679B seconds: 379.736896139 SUCCESS  
7545.829700799 [ sid 13 start 7100.904853365 ] clnt 1:3 srv 2:3(0) #pages: 7  
#objects: 7 total: 142388B seconds: 444.924847434 SUCCESS  
7792.669160519 [ sid 14 start 7777.47657 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 3721B seconds: 15.192590519 SUCCESS  
7826.329722998 [ sid 15 start 7806.073681859 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5775B seconds: 20.256041139 SUCCESS  
8145.461467274 [ sid 16 start 8125.207126948 ] clnt 1:3 srv 2:3(0) #pages: 1  
#objects: 1 total: 5057B seconds: 20.254340326 SUCCESS  
8473.051477375 [ sid 17 start 8288.018751795 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 9 total: 38978B seconds: 185.03272558 SUCCESS  
8790.443607486 [ sid 18 start 8487.836394247 ] clnt 1:3 srv 2:3(0) #pages: 5  
#objects: 7 total: 41612B seconds: 302.607213239 SUCCESS  
10770.166203809 [ sid 19 start 8837.003696237 ] clnt 1:3 srv 2:3(0) #pages:  
13 #objects: 77 total: 489383B seconds: 1933.162507572 SUCCESS  
11803.994823874 [ sid 20 start 10867.068807124 ] clnt 1:3 srv 2:3(0) #pages:  
8 #objects: 34 total: 1394852B seconds: 936.92601675 SUCCESS  
13087.532965693 [ sid 21 start 12169.664014972 ] clnt 1:3 srv 2:3(0) #pages:  
7 #objects: 29 total: 169536B seconds: 917.868950721 SUCCESS  
13597.054575804 [ sid 22 start 13433.346711826 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 202043B seconds: 163.707863978 SUCCESS  
13718.652653087 [ sid 23 start 13693.329615047 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 1 total: 15450B seconds: 25.32303804 SUCCESS  
14547.918693963 [ sid 24 start 13833.736195656 ] clnt 1:3 srv 2:3(0) #pages:  
7 #objects: 26 total: 520140B seconds: 714.182498307 SUCCESS  
14627.086937878 [ sid 25 start 14596.517135306 ] clnt 1:3 srv 2:3(0) #pages:  
1 #objects: 2 total: 5544B seconds: 30.569802572 SUCCESS  
14840.713978937 [ sid 26 start 14697.892861982 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 14470B seconds: 142.821116955 SUCCESS  
15714.331290859 [ sid 27 start 15257.882895101 ] clnt 1:3 srv 2:3(0) #pages:  
7 #objects: 10 total: 49809B seconds: 456.448395758 SUCCESS  
15937.578331552 [ sid 28 start 15715.489841516 ] clnt 1:3 srv 2:3(0) #pages:  
3 #objects: 4 total: 51113B seconds: 222.088490036 SUCCESS  
16151.13838983 [ sid 29 start 16000.036044488 ] clnt 1:3 srv 2:3(0) #pages: 2  
#objects: 6 total: 32369B seconds: 151.102345342 SUCCESS

```

17270.354915522 [ sid 30 start 16452.075782645 ] clnt 1:3 srv 2:3(0) #pages:
9 #objects: 21 total: 212702B seconds: 818.279132877 SUCCESS
17642.596695849 [ sid 31 start 17479.963731316 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 31825B seconds: 162.632964533 SUCCESS
18055.909655153 [ sid 32 start 17710.475419078 ] clnt 1:3 srv 2:3(0) #pages:
6 #objects: 6 total: 61588B seconds: 345.434236075 SUCCESS
19037.011670982 [ sid 33 start 18094.063809845 ] clnt 1:3 srv 2:3(0) #pages:
11 #objects: 28 total: 135744B seconds: 942.947861137 SUCCESS
19153.724870219 [ sid 34 start 19084.810351895 ] clnt 1:3 srv 2:3(0) #pages:
2 #objects: 2 total: 13734B seconds: 68.914518324 SUCCESS
19618.442437833 [ sid 35 start 19210.616824348 ] clnt 1:3 srv 2:3(0) #pages:
4 #objects: 15 total: 279592B seconds: 407.825613485 SUCCESS
19882.171194073 [ sid 36 start 19692.092506881 ] clnt 1:3 srv 2:3(0) #pages:
3 #objects: 5 total: 129799B seconds: 190.078687192 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 282543 events, 1297 ms, 234 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1  --- Loc-RIB at bgp@1:1:
~# 1:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:1  | *> 2                2:1(1)          -      100      - 2
~# 1:1  | *> 1                self            -      -        - i

.....
.....      bgp@1:2 wrap-up      .....
.....
~# 1:2  --- Loc-RIB at bgp@1:2:
~# 1:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 1:2  | *> 2                1:1(2)          -      100      - 2 i
~# 1:2  | *> 1                self            -      -        - i

.....
.....      bgp@2:1 wrap-up      .....
.....
~# 2:1  --- Loc-RIB at bgp@2:1:
~# 2:1  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:1  | *> 2                self            -      -        - i
~# 2:1  | *> 1                1:1(1)          -      -        - 1

.....
.....      bgp@2:2 wrap-up      .....
.....
~# 2:2  --- Loc-RIB at bgp@2:2:
~# 2:2  |      NetworkNHI      NextHopNHI      Metric LocPrf Weight ASPathNHI
~# 2:2  | *> 2                self            -      -        - i
~# 2:2  | *> 1                1:2(2)          -      -        - 1

```

```

-----
|      Raceway SSF 2.0b01 (2 July 2003)
|      (c)2000,2001,2002,2003 Renesys Corporation
|
|      Licensed to: "Renesys Support" (support@renesys.com)
|      Organization: Renesys

```

```
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|
```

```
-----
CIDR          IP Block          b16          NHI
--           0.0.0.0/26       0x00000000
0            0.0.0.16/28      0x00000010   1
0/0         0.0.0.20/30      0x00000014
0/1         0.0.0.16/30      0x00000010
1           0.0.0.0/28      0x00000000   2
1/0         0.0.0.4/30       0x00000004
1/1         0.0.0.0/30       0x00000000
2           0.0.0.52/30    0x00000034   1:1(1) 2:1(1)
3           0.0.0.48/30    0x00000030   2:1(2) 2:2(1)
4           0.0.0.44/30    0x0000002c   2:2(2) 1:2(2)
5           0.0.0.40/30    0x00000028   1:2(1) 1:1(2)
6           0.0.0.36/30    0x00000024   1:1(3) 1:3(0)
7           0.0.0.32/30    0x00000020   2:2(3) 2:3(0)
```

```
NHI Addr      CIDR Level      IP Address Block      % util
--           --
1            0              0.0.0.16/28          62.5
2            1              0.0.0.0/28           62.5
```

```
**          Using specified 1.0ns clock resolution
```

```
--- Phase I: construct table of routers and hosts
```

```
--- Phase II: connect Point-To-Point links
```

```
--- Phase III: add static routes
```

```
## Net config: 6 routers and hosts
```

```
## Elapsed time: 0.219 seconds
```

```
** Running for 2000000000000 clock ticks (== 20000.0 seconds sim time)
```

```
317.160543496 [ sid 0 start 208.902776294 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 2 total: 10931B seconds: 108.257767202 SUCCESS
590.996213167 [ sid 1 start 348.470386029 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 5 total: 55443B seconds: 242.525827138 SUCCESS
2667.117944139 [ sid 2 start 628.23821379 ] clnt 1:3 srv 2:3(0) #pages: 18
#objects: 48 total: 206334B seconds: 2038.879730349 SUCCESS
2895.677164868 [ sid 3 start 2692.703799224 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 6 total: 60264B seconds: 202.973365644 SUCCESS
4529.024871859 [ sid 4 start 2902.461578852 ] clnt 1:3 srv 2:3(0) #pages: 17
#objects: 32 total: 159035B seconds: 1626.563293007 SUCCESS
5475.490981931 [ sid 5 start 4597.652622759 ] clnt 1:3 srv 2:3(0) #pages: 9
#objects: 15 total: 77848B seconds: 877.838359172 SUCCESS
5839.146713532 [ sid 6 start 5575.13118368 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 7 total: 22907B seconds: 264.015529852 SUCCESS
6037.600437826 [ sid 7 start 6015.208926104 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2307B seconds: 22.391511722 SUCCESS
6127.377821558 [ sid 8 start 6104.986154959 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 2510B seconds: 22.391666599 SUCCESS
```

```

6828.138146447 [ sid 9 start 6616.97127973 ] clnt 1:3 srv 2:3(0) #pages: 4
#objects: 4 total: 25095B seconds: 211.166866717 SUCCESS
7255.758214176 [ sid 10 start 6838.039796134 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 7 total: 32423B seconds: 417.718418042 SUCCESS
7775.574141805 [ sid 11 start 7295.984764442 ] clnt 1:3 srv 2:3(0) #pages: 6
#objects: 11 total: 70697B seconds: 479.589377363 SUCCESS
8374.894878789 [ sid 12 start 7927.952430528 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 8 total: 38679B seconds: 446.942448261 SUCCESS
9010.825020811 [ sid 13 start 8446.480236908 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 7 total: 142388B seconds: 564.344783903 SUCCESS
9264.864480531 [ sid 14 start 9242.471890012 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 3721B seconds: 22.392590519 SUCCESS
9308.12504301 [ sid 15 start 9278.269001871 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5775B seconds: 29.856041139 SUCCESS
9636.856787286 [ sid 16 start 9607.00244696 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 5057B seconds: 29.854340326 SUCCESS
10036.446797387 [ sid 17 start 9779.414071807 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 9 total: 38978B seconds: 257.03272558 SUCCESS
10418.902698241 [ sid 18 start 10051.231714259 ] clnt 1:3 srv 2:3(0) #pages: 5
#objects: 7 total: 41612B seconds: 367.670983982 SUCCESS
13123.641069826 [ sid 19 start 10465.462786992 ] clnt 1:3 srv 2:3(0) #pages: 13
#objects: 77 total: 489383B seconds: 2658.178282834 SUCCESS
14585.966946841 [ sid 20 start 13220.543673141 ] clnt 1:3 srv 2:3(0) #pages: 8
#objects: 34 total: 1394852B seconds: 1365.4232737 SUCCESS
16151.616160395 [ sid 21 start 14951.636137939 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 29 total: 169536B seconds: 1199.980022456 SUCCESS
16768.826146906 [ sid 22 start 16497.429906528 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 202043B seconds: 271.396240378 SUCCESS
16909.887111698 [ sid 23 start 16865.101186149 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 1 total: 15450B seconds: 44.785925549 SUCCESS
18101.243186913 [ sid 24 start 17024.970654267 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 26 total: 520140B seconds: 1076.272532646 SUCCESS
18194.811430828 [ sid 25 start 18149.841628256 ] clnt 1:3 srv 2:3(0) #pages: 1
#objects: 2 total: 5544B seconds: 44.969802572 SUCCESS
18442.038471887 [ sid 26 start 18265.617354932 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 14470B seconds: 176.421116955 SUCCESS
19399.655783809 [ sid 27 start 18859.207388051 ] clnt 1:3 srv 2:3(0) #pages: 7
#objects: 10 total: 49809B seconds: 540.448395758 SUCCESS
19678.630365988 [ sid 28 start 19400.814334466 ] clnt 1:3 srv 2:3(0) #pages: 3
#objects: 4 total: 51113B seconds: 277.816031522 SUCCESS
19950.054195009 [ sid 29 start 19741.088078924 ] clnt 1:3 srv 2:3(0) #pages: 2
#objects: 6 total: 32369B seconds: 208.966116085 SUCCESS

```

```

-----
| 1 timelines, 5 barriers, 283190 events, 1250 ms, 238 Kevt/s
-----

```

```

.....
.....      bgp@1:1 wrap-up      .....
.....
~# 1:1    --- Loc-RIB at bgp@1:1:
~# 1:1    |      NetworkNHI      NextHopNHI      Metric LocPrf Weight
ASPathNHI

```

```

~# 1:1 | *> 2                2:1(1)                - 100 - 2
~# 1:1 | *> 1                self                    - - - i

.....
.....      bgp@1:2 wrap-up      .....
.....

~# 1:2 --- Loc-RIB at bgp@1:2:
~# 1:2 |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 1:2 | *> 2                1:1(2)              - 100 - 2 i
~# 1:2 | *> 1                self                  - - - i

.....
.....      bgp@2:1 wrap-up      .....
.....

~# 2:1 --- Loc-RIB at bgp@2:1:
~# 2:1 |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:1 | *> 2                self                  - - - i
~# 2:1 | *> 1                1:1(1)              - - - 1

.....
.....      bgp@2:2 wrap-up      .....
.....

~# 2:2 --- Loc-RIB at bgp@2:2:
~# 2:2 |      NetworkNHI      NextHopNHI          Metric LocPrf Weight ASPathNHI
~# 2:2 | *> 2                self                  - - - i
~# 2:2 | *> 1                1:2(2)              - - - 1

```