

## **BGP PATH INFO FROM CYBERCITY**

*IP: 194.234.32.66*

**209.58.45.1**

*Not in Table*

**195.101.31.1**

*Not in Table*

**196.25.244.138**

*Not in Table*

## **TRACE FROM CYBERCITY TO 209.58.45.1**

Query: trace  
Addr: 209.58.48.1

Type escape sequence to abort.

Tracing the route to Teleglobe.net (209.58.48.1)

```
 1 194.234.32.65 [AS 5509] 0 msec
   194.234.32.133 [AS 5509] 4 msec
   bypxdegw51.ip.tele.dk (193.162.145.169) [AS 3292] 4 msec
 2 dk-ejb-c1-feth0-0-core.ejby.telia.net (194.255.253.241) [AS 3308] 4 msec
   gip-cph-2.global-one.dk (194.234.33.18) [AS 5509] 4 msec 4 msec
 3 atm1-0-6.albnxi3.ip.tele.dk (193.162.155.178) [AS 3292] 12 msec
   gip-penn-2-serial8-0.gip.net (204.59.137.49) 124 msec 100 msec
 4 feth9-0-0.albnxi2.ip.tele.dk (195.249.2.5) [AS 3292] 24 msec
   apv-i1-feth4-0-0-ix.stockholm.telia.net (195.67.232.8) 20 msec
   gip-sl-penn-fddi.gip.net (204.59.136.199) 112 msec
 5 sl-bb10-pen-0-1.sprintlink.net (144.232.5.5) 104 msec
   atm4-0-1.albnxi1.ip.tele.dk (195.41.143.197) [AS 3292] 12 msec
   ny-i1-pos4-0-0-int-newyork.telia.net (194.17.0.250) 116 msec
 6 hssi5-0-0.NewYorknxi1.ip.tele.dk (195.41.143.194) [AS 3292] 104 msec

   sl-bb2-pen-0-0-0.sprintlink.net (144.232.5.14) 144 msec 132 msec
 7 hs-core6-hssi5-0-0.WestOrange.mci.net (166.49.67.73) [AS 3292] 144 msec
   pennsauken-hssi.eurogate.net (194.206.207.33) 100 msec
   ny-i6-atm1-0-int.newyork.telia.net (209.95.128.246) 128 msec
 8 193.55.152.65 188 msec
   ny-i3-feth2-0-int.newyork.telia.net (209.95.128.129) 128 msec
   193.55.152.65 192 msec
 9 195.101.31.1 324 msec
   core1-hssi-2.NewYork.mci.net (204.70.10.13) 140 msec
   195.101.31.1 324 msec
```

## **TRACE FROM CYBERCITY TO 195.101.31.1**

Query: trace

Addr: 195.101.31.1

Type escape sequence to abort.

Tracing the route to 195.101.31.1

```
1 194.234.32.133 [AS 5509] 4 msec
  bypxdegw51.ip.tele.dk (193.162.145.169) [AS 3292] 32 msec
  194.234.32.65 [AS 5509] 8 msec
2 gip-cph-2.global-one.dk (194.234.33.18) [AS 5509] 4 msec
  albpxddgw11.ip.tele.dk (193.162.145.252) [AS 3292] 32 msec
  dk-ejb-c1-feth0-0-core.ejby.telia.net (194.255.253.241) [AS 3308] 20 msec
3 gip-penn-2-serial8-0.gip.net (204.59.137.49) 308 msec
  atm1-0-6.albnxi3.ip.tele.dk (193.162.155.178) [AS 3292] 68 msec
  ov-i6-hssi13-0-ix.stockholm.telia.net (194.255.253.74) [AS 3308] 28 msec
4 gip-sl-penn-fddi.gip.net (204.59.136.199) 152 msec
  feth9-0-0.albnxi2.ip.tele.dk (195.249.2.5) [AS 3292] 76 msec
  gip-sl-penn-fddi.gip.net (204.59.136.199) 96 msec
5 sl-bb11-pen-0-1.sprintlink.net (144.232.5.9) 92 msec
  atm4-0-1.albnxi1.ip.tele.dk (195.41.143.197) [AS 3292] 76 msec
  sl-bb11-pen-0-1.sprintlink.net (144.232.5.9) 96 msec
6 sl-bb2-pen-4-0-0.sprintlink.net (144.232.5.18) 108 msec
  hssi5-0-0.NewYorknxi1.ip.tele.dk (195.41.143.194) [AS 3292] 136 msec
  sl-bb2-pen-4-0-0.sprintlink.net (144.232.5.18) 104 msec
7 hs-core6-hssi5-0-0.WestOrange.mci.net (166.49.67.73) [AS 3292] 136 msec
  core4.WestOrange.mci.net (204.70.4.77) 132 msec
  pennsauken-hssi.eurogate.net (194.206.207.33) 92 msec
8 193.55.152.65 176 msec 204 msec 188 msec
9 sl-bb11-pen-1-2.sprintlink.net (144.232.5.49) 128 msec
  195.101.31.1 320 msec
  sl-bb11-pen-1-2.sprintlink.net (144.232.5.49) 120 msec
```

### TRACE FROM CYBERCITY TO 196.25.244.138

Query: trace

Addr: 196.25.244.138

Type escape sequence to abort.

Tracing the route to 196.25.244.138

```
1 194.234.32.65 [AS 5509] 0 msec
  194.234.32.133 [AS 5509] 4 msec
  bypxdegw51.ip.tele.dk (193.162.145.169) [AS 3292] 4 msec
2 dk-ejb-c1-feth0-0-core.ejby.telia.net (194.255.253.241) [AS 3308] 24 msec
  v10-sto.global-ip.net (195.17.1.141) 16 msec
  albpxddgw11.ip.tele.dk (193.162.145.252) [AS 3292] 24 msec
3 198.67.142.237 16 msec
  atm1-0-6.albnxi3.ip.tele.dk (193.162.155.178) [AS 3292] 24 msec
  198.67.142.237 24 msec
```

4 198.67.142.249 32 msec 24 msec 40 msec  
 5 ny-i1-pos4-0-0-int-newyork.telia.net (194.17.0.250) 132 msec  
 icm-tl2-11-P5/0-0C3C.icp.net (198.67.142.122) 48 msec  
 feth9-0-0.albnxi2.ip.tele.dk (195.249.2.5) [AS 3292] 32 msec  
 6 ny-i2-feth1-1-0-int.newyork.telia.net (209.95.128.222) 128 msec  
 atm4-0-1.albnxi1.ip.tele.dk (195.41.143.197) [AS 3292] 32 msec  
 ny-i2-feth1-1-0-int.newyork.telia.net (209.95.128.222) 120 msec  
 7 icm-pen-10-P1/0-0C3C.icp.net (198.67.142.73) 128 msec  
 ny-i6-atml-0-int.newyork.telia.net (209.95.128.246) 124 msec  
 icm-pen-10-P1/0-0C3C.icp.net (198.67.142.73) 136 msec  
 8 BR1.PSK1.Alter.net (192.157.69.60) 124 msec 128 msec  
 hs-core6-hssi5-0-0.WestOrange.mci.net (166.49.67.73) [AS 3292] 132 msec  
 9 Hssi0-1-0.cr1.nyc1.alter.net (137.39.100.2) 136 msec 112 msec 156 msec  
 10 311.ATM6-0-0.CR2.NYC1.Alter.Net (137.39.21.81) 128 msec  
 114.ATM10-0-0.XR1.EWR1.ALTER.NET (146.188.176.50) 140 msec  
 131.ATM2-0.XR1.NYC4.ALTER.NET (146.188.178.118) 140 msec  
 11 189.ATM2-0-0.XR1.NYC1.ALTER.NET (146.188.178.82) 148 msec 116 msec \*  
 12 195.ATM6-0-0.CR2.NYC1.ALTER.NET (146.188.177.109) 128 msec  
 Fddi0-0.New-York4.NY.Alter.Net (137.39.126.10) 244 msec  
 195.ATM6-0-0.CR2.NYC1.ALTER.NET (146.188.177.109) 116 msec  
 13 satelkom-gw.customer.ALTER.NET (137.39.245.238) 484 msec 488 msec  
 Hssi4-0.New-York3.NY.Alter.Net (137.39.100.5) 128 msec  
 14 Fddi0-0.New-York4.NY.Alter.Net (137.39.126.10) 136 msec  
 ndf-access.gt.sai x.net (196.25.0.250) 508 msec 648 msec  
 15 196.25.244.138 432 msec  
 satelkom-gw.customer.ALTER.NET (137.39.245.238) 500 msec 608 msec

## CYBERCITY BGP SUMM

Query: summary

BGP table version is 4329, main routing table version 4329  
 265 network entries (277/795 paths) using 54988 bytes of memory  
 53 BGP path attribute entries using 9016 bytes of memory  
 0 BGP route-map cache entries using 0 bytes of memory  
 32 BGP filter-list cache entries using 512 bytes of memory

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State
192.168.97.253	4	6785	15287	13196	4329	0	0	1w1d	
194.234.32.65	4	5509	549013	12970	4329	0	0	5d19h	
194.255.253.193	4	3308	857312	12958	4329	0	0	1w1d	
195.8.129.17	4	6785	0	0	0	0	0	never	Active
195.41.143.9	4	3292	26216	25918	4329	0	0	5d04h	

## BGP PATH INFO FROM MAE-E++

IP: 192.41.177.115

### 209.58.48.1

Query: bgp

Addr: 209.58.48.1

BGP routing table entry for 209.58.48.0/20, version 25670350

Paths: (6 available, best #3, advertised over IBGP)

```
1239 5511 8414
  165.117.1.122 (metric 3) from 165.117.1.122
    Origin IGP, metric 7, localpref 100, valid, internal
    Community: 2548:666
    Originator : 165.117.1.122, Cluster list: 165.117.1.122
1800 1239 5511 8414
  192.41.177.240 from 192.41.177.240 (198.67.131.49)
    Origin IGP, metric 7, localpref 100, valid, external
    Community: 2548:666
1239 5511 8414
  192.41.177.241 from 192.41.177.241 (144.228.107.1)
    Origin IGP, metric 7, localpref 100, valid, external, best
    Community: 2548:666
3561 6453 8414
  192.41.177.181 from 192.41.177.181 (204.70.7.53)
    Origin incomplete, metric 16, localpref 100, valid, external
    Community: 2548:666
701 6453 8414
  192.41.177.249 from 192.41.177.248 (137.39.3.57)
    Origin IGP, metric 21, localpref 99, valid, external
    Community: 2548:666
701 6453 8414, (received-only)
  192.41.177.248 from 192.41.177.248 (137.39.3.57)
    Origin IGP, metric 21, localpref 100, valid, external
```

### 195.101.31.1

Query: bgp

Addr: 195.101.31.1

BGP routing table entry for 195.101.31.0/24, version 25670187

Paths: (3 available, best #3, advertised over IBGP)

```
1239 5511 8414
  165.117.1.122 (metric 3) from 165.117.1.122
    Origin IGP, metric 7, localpref 100, valid, internal
    Community: 2548:666
    Originator : 165.117.1.122, Cluster list: 165.117.1.122
1800 1239 5511 8414
  192.41.177.240 from 192.41.177.240 (198.67.131.49)
    Origin IGP, metric 7, localpref 100, valid, external
    Community: 2548:666
1239 5511 8414
  192.41.177.241 from 192.41.177.241 (144.228.107.1)
    Origin IGP, metric 7, localpref 100, valid, external, best
    Community: 2548:666
```

### 196.25.244.138

Query: bgp

Addr: 196.25.244.138

BGP routing table entry for 196.25.0.0/16, version 24291514

Paths: (4 available, best #3, advertised over IBGP, EBGP)

```

701 5713
  192.41.177.249 from 192.41.177.248 (137.39.3.57)
    Origin IGP, metric 27, localpref 99, valid, external
    Community: 2548:666
701 5713, (received-only)
  192.41.177.248 from 192.41.177.248 (137.39.3.57)
    Origin IGP, metric 27, localpref 100, valid, external
701 5713
  165.117.1.21 (metric 14) from 165.117.1.35 (165.117.1.77)
    Origin IGP, metric 2000000000, localpref 100, valid, internal, best
    Community: 2548:666
    Originator : 165.117.1.21, Cluster list: 0.38.227.186, 165.117.1.21
701 5713
  165.117.1.21 (metric 14) from 165.117.1.17 (165.117.1.120)
    Origin IGP, metric 2000000000, localpref 100, valid, internal
    Community: 2548:666
    Originator : 165.117.1.21, Cluster list: 0.38.227.186, 165.117.1.21

```

### **TRACE FROM MAE-E++ TO 209.58.48.1**

Query: trace

Addr: 209.58.48.1

Type escape sequence to abort.

Tracing the route to Teleglobe.net (209.58.48.1)

```

 1 sl-mae-e-f0-0.sprintlink.net (192.41.177.241) 4 msec 0 msec 0 msec
 2 sl-bb4-dc-1-1-0-T3.sprintlink.net (144.228.10.93) [AS 1239] 4 msec 4 msec 0 msec
 3 sl-bb2-dc-4-0-0-155M.sprintlink.net (144.232.0.18) [AS 1239] 0 msec 0 msec 4 msec
 4 sl-bb1-dc-11-0-0-155M.sprintlink.net (144.232.0.22) [AS 1239] 0 msec 4 msec 0 msec
 5 * * *
 6 * * *
 7 195.101.31.1 [AS 8414] 408 msec 412 msec *

```

### **TRACE FROM MAE-E++ TO 195.101.31.1**

Query: trace

Addr: 195.101.31.1

Type escape sequence to abort.

Tracing the route to 195.101.31.1

```

 1 sl-mae-e-f0-0.sprintlink.net (192.41.177.241) 4 msec 0 msec 4 msec
 2 sl-bb4-dc-1-0-0.sprintlink.net (144.228.10.41) [AS 1239] 0 msec 0 msec 0 msec
 3 sl-bb2-dc-4-0-0-155M.sprintlink.net (144.232.0.18) [AS 1239] 4 msec 4 msec 0 msec
 4 sl-bb1-dc-11-0-0-155M.sprintlink.net (144.232.0.22) [AS 1239] 4 msec 4 msec 12 msec
 5 * * *
 6 * * *
 7 195.101.31.1 [AS 8414] 412 msec 412 msec *

```

### **TRACE FROM MAE-E++ TO 196.25.244.138**

Query: trace

Addr: 196.25.244.138

Type escape sequence to abort.

Tracing the route to 196.25.244.138

```

 1 iad1-core2-f5-0-0.atlas.digex.net (165.117.129.2) 0 msec 0 msec 4 msec

```

```

2 dca5-core2-h8-0-0.atlas.digex.net (165.117.53.41) 0 msec 0 msec 4 msec
3 dca5-core1-fa6-0.atlas.digex.net (165.117.54.1) 0 msec 0 msec 4 msec
4 Hssi3-1-0.BR1.DCA1.ALTER.NET (209.116.159.98) 0 msec 0 msec 4 msec
5 101.ATMB-0.XR2.DCA1.ALTER.NET (146.188.160.230) [AS 701] 4 msec 0 msec 4 msec
6 294.ATMB-0.TR2.DCA1.ALTER.NET (146.188.161.158) [AS 701] 0 msec 4 msec 4 msec
7 101.ATMB-0-0.TR2.NYC1.ALTER.NET (146.188.136.218) [AS 701] 88 msec 8 msec 12 msec
8 100.ATMB-0-0.XR2.NYC1.ALTER.NET (146.188.177.177) [AS 701] 8 msec 8 msec 12 msec
9 194.ATMB-0-0.CR2.NYC1.ALTER.NET (146.188.177.105) [AS 701] 12 msec 12 msec 8 msec
10 Hssi4-0-New-York3.NY.Alter.Net (137.39.100.5) [AS 701] 12 msec 8 msec 12 msec
11 Fddi0-0-New-York4.NY.Alter.Net (137.39.126.10) [AS 701] 16 msec 12 msec 16 msec
12 satelkom-gw.customer.ALTER.NET (137.39.245.238) [AS 701] 416 msec 404 msec 348 msec
13 196.25.0.46 [AS 5713] 360 msec 424 msec 440 msec
14 196.25.244.138 [AS 5713] 316 msec *
    164.220.135.18 [AS 3739] 132 msec

```

## MAE-E++ BGP SUMM

Query: summary

BGP table version is 26662667, main routing table version 26662667  
 54032 network entries (169778/297204 paths) using 15830180 bytes of memory  
 29123 BGP path attribute entries using 3994908 bytes of memory  
 9607 BGP route-map cache entries using 153712 bytes of memory  
 0 BGP filter-list cache entries using 0 bytes of memory  
 Dampening enabled. 250 history paths, 121 dampened paths  
 21342 received paths for inbound soft reconfiguration  
 11354828 prefixes revised.

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
165.117.1.17	4	2548	8518237	2608103	26662667	0	0	1w5d	20239
165.117.1.35	4	2548	8315400	2654711	26662667	0	0	1w1d	20235
165.117.1.81	4	2548	138101	15252786	26661555	0	0	1d04h	11
165.117.1.102	4	2548	8121	832959	26662667	0	0	1d09h	105
165.117.1.104	4	2548	15253	456766	26662667	0	0	1d04h	9
165.117.1.122	4	2548	7142708	6935049	26662667	0	0	8w4d	11168
165.117.1.127	4	2548	102188	18285067	26661555	0	0	1d04h	125
165.117.1.128	4	2548	11393	907319	26662667	0	288	14: 29: 04	1
192.41.177.2	4	1	86035	250458	26662667	0	0	2d05h	0
192.41.177.3	4	7018	27403	12293	26661425	0	0	20: 35: 11	3707
192.41.177.7	4	6716	151500	260203	26662667	0	0	4d13h	6
192.41.177.11	4	6259	642	1241	26662667	0	0	09: 22: 27	28
192.41.177.16	4	1673	87569	133304	0	0	0	3w4d	Active
192.41.177.65	4	6205	4	8	0	0	0	never	Active
192.41.177.68	4	6113	161578	243772	26662667	0	0	4d13h	1031
192.41.177.71	4	8218	87833	237129	26662667	0	0	4d13h	64
192.41.177.75	4	3951	91319	230894	26662667	0	0	4d13h	175
192.41.177.80	4	5000	88852	229533	26662667	0	0	4d13h	27
192.41.177.85	4	3491	162866	237936	26662667	0	0	3d10h	967
192.41.177.86	4	4565	95228	255775	26662667	0	0	2d16h	65
192.41.177.90	4	5388	89790	234587	26662667	0	0	4d13h	88
192.41.177.92	4	3914	86142	233784	26662667	0	0	4d13h	7
192.41.177.104	4	2041	225508	259419	26662667	0	0	1d21h	647
192.41.177.110	4	2685	124048	240257	26662667	0	0	09: 10: 12	857
192.41.177.118	4	6196	92732	243910	26662667	0	0	3d21h	182
192.41.177.119	4	3967	92352	239403	26662667	0	0	4d13h	138
192.41.177.120	4	286	126281	236043	26662667	0	0	4d13h	854
192.41.177.121	4	2914	206991	237322	26662667	0	0	05: 42: 14	1356
192.41.177.125	4	297	105397	238346	26662667	0	0	4d13h	246
192.41.177.145	4	4200	223093	262731	26662667	0	0	4d13h	1925
192.41.177.147	4	3847	102100	236068	26662667	0	0	4d13h	344
192.41.177.148	4	6172	88091	235051	26662667	0	0	2d13h	85
192.41.177.150	4	4136	86158	229581	26662667	0	0	4d13h	9
192.41.177.160	4	3407	89869	248533	26662667	0	0	4d13h	31
192.41.177.166	4	2885	87642	234754	26662667	0	0	2d06h	29
192.41.177.169	4	2885	87723	231426	26662667	0	0	21: 02: 23	29
192.41.177.181	4	3561	1571273	258998	26662667	0	0	4d01h	18163

192. 41. 177. 182	4	5683	193676	255987	26662667	0	0 09: 29: 53	1216
192. 41. 177. 195	4	5390	86356	236789	26662667	0	0 2d06h	5
192. 41. 177. 210	4	2551	115643	230032	26662667	0	0 4d13h	311
192. 41. 177. 226	4	1746	86856	233883	26662667	0	0 3d04h	13
192. 41. 177. 228	4	4006	86322	237704	26662667	0	0 3d20h	17
192. 41. 177. 240	4	1800	1037451	240093	26662667	0	0 09: 23: 03	12632
192. 41. 177. 241	4	1239	2476735	224145	26662667	0	0 20: 20: 02	19248
192. 41. 177. 242	4	1239	0	0	0	0	0 never	Active
192. 41. 177. 245	4	174	272774	205665	26661759	0	0 4d13h	1696
192. 41. 177. 248	4	701	2905953	207055	26661340	0	0 4d13h	21326
192. 41. 177. 251	4	293	98425	230776	26662667	0	0 4d13h	214
198. 32. 186. 2	4	1	602119	272200	26662667	0	0 2d05h	6169

## BGP PATH INFO FROM MAE-W

IP: 198. 32. 136. 60

### 209.58.48.1

Query: bgp

Addr: 209. 58. 48. 1

BGP routing table entry for 209.58.48.0/20, version 10098042

Paths: (4 available, best #4, advertised over IBGP)

701 6453 8414

165.117.1.46 (metric 25) from 165.117.1.6 (165.117.1.46)

Origin IGP, metric 2000000000, localpref 100, valid, internal

Community: 2548:670

Originator : 165.117.1.46, Cluster list: 165.117.1.6, 165.117.1.38, 165.117.1.46

3561 6453 8414

198.32.136.72 from 198.32.136.72 (204.70.7.17)

Origin incomplete, metric 56, localpref 100, valid, external

Community: 2548:668

1239 5511 8414

198.32.136.129 from 198.32.136.129 (144.228.105.5)

Origin IGP, metric 53, localpref 100, valid, external

Community: 2548:668

1239 5511 8414

198.32.136.11 from 198.32.136.11 (144.228.105.1)

Origin IGP, metric 33, localpref 100, valid, external, best

Community: 2548:668

### 195.101.31.1

Query: bgp

Addr: 195. 101. 31. 1

BGP routing table entry for 195.101.31.0/24, version 10157096

Paths: (2 available, best #2, advertised over IBGP)

1239 5511 8414

198.32.136.129 from 198.32.136.129 (144.228.105.5)

Origin IGP, metric 53, localpref 100, valid, external

Community: 2548:668

1239 5511 8414

198.32.136.11 from 198.32.136.11 (144.228.105.1)

Origin IGP, metric 33, localpref 100, valid, external, best

Community: 2548:668

### 196.25.244.138

Query: bgp

Addr: 196. 25. 244. 138

BGP routing table entry for 196.25.0.0/16, version 10144923

Paths: (1 available, best #1, advertised over IBGP)

701 5713

165.117.1.46 (metric 25) from 165.117.1.6 (165.117.1.120)

Origin IGP, metric 2000000000, localpref 100, valid, internal, best

Community: 2548:670

Originator : 165.117.1.46, Cluster list: 165.117.1.6, 165.117.1.38, 165.117.1.46

## TRACE FROM MAE-W TO 209.58.48.1

Query: trace



Addr: 209.58.48.1

Type escape sequence to abort.

Tracing the route to Teleglobe.net (209.58.48.1)

```
1 sl-mae-w-F0/0.sprintlink.net (198.32.136.11) 0 msec 0 msec 4 msec
2 sl-bb2-stk-2-0-T3.sprintlink.net (144.228.10.45) [AS 1239] 4 msec 4 msec 4 msec
3 sl-bb22-stk-3-2.sprintlink.net (144.232.4.9) [AS 1239] 4 msec 4 msec 4 msec
4 sl-bb11-pen-6-0.sprintlink.net (144.232.8.177) [AS 1239] 60 msec 60 msec 56 msec
5 sl-bb2-pen-0-0-0.sprintlink.net (144.232.5.14) [AS 1239] 60 msec 56 msec 56 msec
6 pennsauken-hssi.eurogate.net (194.206.207.33) [AS 3215] 60 msec 60 msec 56 msec
7 193.55.152.65 [AS 5511] 136 msec 136 msec 136 msec
8 195.101.31.1 [AS 8414] 468 msec 464 msec *
```

### TRACE FROM MAE-W TO 195.101.31.1

Query: trace

Addr: 195.101.31.1

Type escape sequence to abort.

Tracing the route to 195.101.31.1

```
1 sl-mae-w-F0/0.sprintlink.net (198.32.136.11) 0 msec 0 msec 4 msec
2 sl-bb2-stk-4-0.sprintlink.net (144.228.10.109) [AS 1239] 4 msec 4 msec 8 msec
3 sl-bb22-stk-3-2.sprintlink.net (144.232.4.9) [AS 1239] 4 msec 4 msec 4 msec
4 sl-bb11-pen-6-0.sprintlink.net (144.232.8.177) [AS 1239] 56 msec 60 msec 60 msec
5 sl-bb2-pen-0-0-0.sprintlink.net (144.232.5.14) [AS 1239] 56 msec 60 msec 60 msec
6 pennsauken-hssi.eurogate.net (194.206.207.33) [AS 3215] 56 msec 60 msec 56 msec
7 193.55.152.65 [AS 5511] 136 msec 136 msec 136 msec
8 195.101.31.1 [AS 8414] 464 msec 464 msec *
```

### TRACE FROM MAE-W TO 196.25.244.138

Query: trace

Addr: 196.25.244.138

Type escape sequence to abort.

Tracing the route to 196.25.244.138

```
1 sjc1-core1-h8-0.atlas.digex.net (165.117.50.46) 4 msec 4 msec 0 msec
2 sjc1-core2-fa3-0-0.atlas.digex.net (165.117.50.146) 4 msec 4 msec 0 msec
3 sjc3-core2-s5-0-0.atlas.digex.net (165.117.50.122) 8 msec 4 msec 4 msec
4 uu.sjc3.atlas.digex.net (165.117.52.234) 4 msec 8 msec 4 msec
5 109.ATM2-0.XR3.SCL1.ALTER.NET (146.188.146.122) [AS 701] 8 msec 4 msec 8 msec
6 189.ATM2-0-0.GW1.SF01.ALTER.NET (146.188.146.161) [AS 701] 8 msec 12 msec 8 msec
7 SATelkom-gw.customer.ALTER.NET (157.130.192.134) [AS 701] 328 msec * 328 msec
8 * *
   ndf-access.gt.saix.net (196.25.0.250) [AS 5713] 420 msec
9 196.25.244.138 [AS 5713] 656 msec 328 msec *
```

### MAE-W BGP SUMM

Query: summary

BGP table version is 10973558, main routing table version 10973558  
53965 network entries (116421/224907 paths) using 13700148 bytes of memory  
25860 BGP path attribute entries using 3506340 bytes of memory  
7057 BGP route-map cache entries using 112912 bytes of memory  
0 BGP filter-list cache entries using 0 bytes of memory  
Dampening enabled. 129 history paths, 133 dampened paths  
3073899 prefixes revised.

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
165. 117. 1. 6	4	2548	7363496	1154991	10973556	0	0	6w0d	28817
165. 117. 2. 57	4	2548	60677	1167244	10973556	0	0	1d05h	11
198. 32. 136. 1	4	4553	70859	145754	10973558	0	0	4w0d	437
198. 32. 136. 2	4	4553	71122	151267	10973558	0	0	3d19h	437
198. 32. 136. 3	4	5637	60668	144682	10973558	0	0	6w0d	1
198. 32. 136. 10	4	2041	98560	145037	10973558	0	0	4w0d	648
198. 32. 136. 11	4	1239	1450402	145407	10973558	0	0	2w1d	20742
198. 32. 136. 13	4	5646	114055	145032	10973558	0	0	2w6d	1734
198. 32. 136. 15	4	2551	76463	145058	10973558	0	0	2w0d	312
198. 32. 136. 18	4	4436	63036	146235	10973558	0	0	3w1d	85
198. 32. 136. 20	4	2685	92407	158796	10973558	0	0	4d21h	870
198. 32. 136. 21	4	4200	120125	146460	10973558	0	0	16: 21: 46	1862
198. 32. 136. 24	4	3356	69888	145394	10973558	0	0	3w5d	104
198. 32. 136. 31	4	6461	77210	150113	10973558	0	0	1d15h	348
198. 32. 136. 33	4	3967	64273	145382	10973558	0	0	2w3d	138
198. 32. 136. 34	4	4540	60344	146814	10973558	0	0	1w4d	5
198. 32. 136. 35	4	5388	63482	145169	10973558	0	0	6d02h	82
198. 32. 136. 37	4	5696	89645	145380	10973558	0	0	3w0d	410
198. 32. 136. 39	4	1673	93877	146141	10973558	0	0	4d04h	1744
198. 32. 136. 41	4	293	64528	145427	10973558	0	0	1w2d	214
198. 32. 136. 43	4	297	87079	149618	10973558	0	0	2w3d	444
198. 32. 136. 47	4	2497	150352	205717	10973558	0	0	1w4d	418
198. 32. 136. 49	4	6113	93506	154282	10973558	0	0	3d19h	1080
198. 32. 136. 53	4	5000	62314	146546	10973558	0	0	22: 14: 52	27
198. 32. 136. 58	4	3549	63903	145025	10973558	0	0	5w2d	138
198. 32. 136. 59	4	4183	61541	144679	10973558	0	0	6w0d	59
198. 32. 136. 63	4	4200	115827	145005	10973558	0	0	16: 19: 52	1891
198. 32. 136. 68	4	5683	126992	145784	10973558	0	0	1w4d	1229
198. 32. 136. 72	4	3561	837679	145017	10973558	0	0	4w5d	18142
198. 32. 136. 79	4	6467	68102	144679	10973558	0	0	6w0d	297
198. 32. 136. 80	4	2914	130448	147617	10973558	0	0	05: 55: 42	1375
198. 32. 136. 88	4	568	90589	150059	10973558	0	0	2d22h	557
198. 32. 136. 94	4	4000	144509	145709	10973558	0	0	4w4d	894
198. 32. 136. 111	4	6259	660	1168	10973558	0	0	09: 38: 13	28
198. 32. 136. 119	4	3932	60828	145007	10973558	0	0	1w4d	56
198. 32. 136. 125	4	2548	60642	8533304	10973558	0	0	5w0d	6
198. 32. 136. 129	4	1239	1440779	145037	10973558	0	0	4w0d	21388
198. 32. 184. 19	4	1	277260	139342	10973542	0	0	1w0d	6161
198. 32. 184. 23	4	174	213875	137779	10973556	0	0	5w3d	1702
198. 32. 184. 56	4	3847	70972	148229	10973558	0	0	4w0d	345

## **BGP PATH INFO FROM SPRINT NAP**

***IP:*** 192.157.69.42

### **209.58.48.1**

Query: bgp

Addr: 209.58.48.1

BGP routing table entry for 209.58.48.0/20, version 8720737

Paths: (7 available, best #5, advertised over IBGP)

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.126

Origin IGP, metric 1, localpref 100, valid, internal

Community: 2548:668

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.105 (165.117.1.4)

Origin IGP, metric 2000000000, localpref 100, valid, internal

Community: 2548:668

Originator : 165.117.1.126, Cluster list: 165.117.1.105

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.106 (165.117.1.4)

Origin IGP, metric 2000000000, localpref 100, valid, internal

Community: 2548:668

Originator : 165.117.1.126, Cluster list: 165.117.1.106, 165.117.1.105

3561 6453 8414

192.157.69.48 from 192.157.69.48 (204.70.7.13)

Origin incomplete, metric 16, localpref 100, valid, external

Community: 2548:667

701 6453 8414

192.157.69.60 from 192.157.69.60 (137.39.2.68)

Origin IGP, metric 15, localpref 100, valid, external, best

Community: 2548:667

1239 5511 8414

192.157.69.9 from 192.157.69.9 (144.228.61.1)

Origin IGP, metric 2, localpref 100, valid, external

Community: 2548:667

1239 5511 8414

192.157.69.10 from 192.157.69.10 (144.228.62.1)

Origin IGP, metric 2, localpref 100, valid, external

Community: 2548:667

### **195.101.31.1**

Query: bgp

Addr: 195.101.31.1

BGP routing table entry for 195.101.31.0/24, version 8086622

Paths: (6 available, best #2)

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.15 (165.117.1.126)

Origin IGP, metric 2000000000, localpref 100, valid, internal

Community: 2548:668

Originator : 165.117.1.126, Cluster list: 165.117.1.15

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.126

Origin IGP, metric 1, localpref 100, valid, internal, best

Community: 2548:668

1239 5511 8414

165.117.1.126 (metric 2) from 165.117.1.105 (165.117.1.122)

Origin IGP, metric 2000000000, localpref 100, valid, internal

Community: 2548:668

Originator : 165.117.1.126, Cluster list: 165.117.1.105

1239 5511 8414

165.117.1.122 (metric 19) from 165.117.1.106 (165.117.1.122)  
 Origin IGP, metric 2000000000, localpref 100, valid, internal  
 Community: 2548:668  
 Originator : 165.117.1.122, Cluster list: 165.117.1.106, 165.117.1.36, 0.38.227.186,  
 165.117.1.122  
 1239 5511 8414  
 192.157.69.10 from 192.157.69.10 (144.228.62.1)  
 Origin IGP, metric 2, localpref 100, valid, external  
 Community: 2548:667  
 1239 5511 8414  
 192.157.69.9 from 192.157.69.9 (144.228.61.1)  
 Origin IGP, metric 2, localpref 100, valid, external  
 Community: 2548:667

## **196.25.244.138**

Query: bgp

Addr: 196.25.244.138

BGP routing table entry for 196.25.0.0/16, version 6973166

Paths: (1 available, best #1, advertised over IBCP)

701 5713  
 192.157.69.60 from 192.157.69.60 (137.39.2.68)  
 Origin IGP, metric 19, localpref 100, valid, external, best  
 Community: 2548:667

## **TRACE FROM SPRINT NAP TO 209.58.48.1**

Query: trace

Addr: 209.58.48.1

Type escape sequence to abort.

Tracing the route to Teleglobe.net (209.58.48.1)

```

1 BR1.PSK1.Alter.net (192.157.69.60) 0 msec 0 msec 0 msec
2 Hssi0-1-0.cr1.nycl.alter.net (137.39.100.2) [AS 701] 0 msec 0 msec 4 msec
3 101.ATMB-0-0.XR1.NYC1.ALTER.NET (146.188.177.94) [AS 701] 0 msec 0 msec 4 msec
4 195.ATM1-0-0.GW1.NYC2.ALTER.NET (146.188.177.57) [AS 701] 4 msec 4 msec 4 msec
5 teleglobe.ny2-gw.customer.ALTER.NET (157.130.4.166) [AS 701] 8 msec 4 msec 4 msec
6 gin-nyy-ac1.Teleglobe.net (207.45.201.37) [AS 6453] 4 msec 4 msec 4 msec
7 gin-ppt-bb1.Teleglobe.net (207.45.199.234) [AS 6453] 20 msec 24 msec 24 msec
8 Teleglobe.net (207.45.215.1) [AS 6453] 20 msec 24 msec 24 msec
9 Teleglobe.net (207.45.223.42) [AS 6453] 36 msec 40 msec 40 msec
10 Teleglobe.net (207.45.203.222) [AS 6453] 404 msec * 400 msec
```

## **TRACE FROM SPRINT NAP TO 195.101.31.1**

Query: trace

Addr: 195.101.31.1

Type escape sequence to abort.

Tracing the route to 195.101.31.1

```

1 phl2-core2-f4-0.atlas.digex.net (165.117.51.37) 0 msec 0 msec 0 msec
2 208.28.125.2 [AS 1239] 0 msec 0 msec 0 msec
3 144.232.5.65 [AS 1239] 0 msec 0 msec 0 msec
4 sl-bb2-pen-4-0-0.sprintlink.net (144.232.5.18) [AS 1239] 0 msec 0 msec 4 msec
5 pennsauken-hssi.eurogate.net (194.206.207.33) [AS 3215] 0 msec 4 msec 0 msec
6 193.55.152.65 [AS 5511] 76 msec 76 msec 72 msec
7 195.101.31.1 [AS 8414] 228 msec 232 msec *
```

## **TRACE FROM SPRINT NAP TO 196.25.244.138**

Query: trace

Addr: 196.25.244.138

Type escape sequence to abort.

Tracing the route to 196.25.244.138

```
 1 BR1. PSK1. Alter.net (192.157.69.60) 0 msec 0 msec 0 msec
 2 Hssi0-1-0.cr1.nycl.alter.net (137.39.100.2) [AS 701] 4 msec 4 msec 4 msec
 3 411.atml-0-0.cr2.nycl.alter.net (137.39.22.105) [AS 701] 0 msec 8 msec 0 msec
 4 Hssi4-0.New-York3.NY.Alter.Net (137.39.100.5) [AS 701] 4 msec 4 msec 4 msec
 5 Fddi0-0.New-York4.NY.Alter.Net (137.39.126.10) [AS 701] 8 msec 4 msec 8 msec
 6 satelkom-gw.customer.ALTER.NET (137.39.245.238) [AS 701] 300 msec 304 msec 288 msec
 7 196.25.0.46 [AS 5713] 392 msec 376 msec 360 msec
 8 196.25.244.138 [AS 5713] 328 msec * 308 msec
```

## SPRINT NAP BGP SUMM

Query: summary

BGP table version is 9272945, main routing table version 9272945  
54091 network entries (218964/399463 paths) using 18444472 bytes of memory  
40986 BGP path attribute entries using 5745068 bytes of memory  
12368 BGP route-map cache entries using 197888 bytes of memory  
713 BGP filter-list cache entries using 11408 bytes of memory  
Dampening enabled. 407 history paths, 390 dampened paths  
3768 received paths for inbound soft reconfiguration  
2493451 prefixes revised.

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
165.117.1.15	4	2548	4381704	703593	9272929	0	0	3w4d	18350
165.117.1.105	4	2548	6482544	739722	9272929	0	0	2w1d	41031
165.117.1.106	4	2548	8580055	887798	9272929	0	0	2w1d	40709
165.117.1.126	4	2548	482820	2048677	9272945	0	0	3w4d	10229
192.157.69.5	4	1740	43337	53214	0	0	0	1w3d	Active
192.157.69.9	4	1239	811416	97117	9272929	0	0	3w4d	6232
192.157.69.10	4	1239	778795	97117	9272929	0	0	3w4d	21418
192.157.69.12	4	293	39630	97532	9272929	0	0	1w2d	212
192.157.69.13	4	1673	22573	31964	0	0	0	2w3d	Active
192.157.69.15	4	7018	31841	11754	9272929	0	0	2d04h	3707
192.157.69.17	4	3320	43912	97770	9272929	0	0	2w2d	169
192.157.69.19	4	4200	84368	97541	9272929	0	0	09:17:43	446
192.157.69.20	4	2685	47229	97117	9272929	0	0	3w4d	870
192.157.69.22	4	1800	89906	113507	9272945	0	0	3w4d	1979
192.157.69.25	4	3967	36757	99431	9272929	0	0	1w0d	0
192.157.69.26	4	3951	38373	97494	9272929	0	0	3w2d	175
192.157.69.38	4	2551	45121	97516	9272929	0	0	1w5d	314
192.157.69.39	4	4565	37426	97117	9272929	0	0	3w4d	66
192.157.69.41	4	3932	36540	97117	9272929	0	0	3w4d	54
192.157.69.43	4	3356	45992	97117	9272929	0	0	3w4d	0
192.157.69.45	4	568	54371	98753	9272929	0	0	2d22h	547
192.157.69.48	4	3561	497631	97480	9272929	0	0	2w4d	18130
192.157.69.51	4	1	198727	97532	9272929	0	0	1w0d	6023
192.157.69.52	4	1673	64960	131244	9272838	0	0	1w1d	1764
192.157.69.55	4	668	58145	97858	9272929	0	0	2w2d	258
192.157.69.60	4	701	1076212	97117	9272929	0	0	3w4d	21464
192.157.69.65	4	2497	57550	97117	9272929	0	0	3w4d	418
192.157.69.70	4	5000	37643	98739	9272929	0	0	2w0d	27
192.157.69.75	4	286	51508	97117	9272929	0	0	3w4d	854
192.157.69.80	4	4000	99013	92306	9272929	0	0	3w1d	1015
192.157.69.84	4	5683	100594	97489	9272929	0	0	3w2d	2
192.157.69.85	4	6172	36619	98230	9272929	0	0	1w1d	85

## BGP PATH INFO FROM LINX

IP: 165. 117. 53. 193

209.58.48.1

195.101.31.1

*Not in Table*

196.25.244.138

*Not in Table*

## TRACE FROM LINX TO 209.58.45.1

## TRACE FROM LINX TO 195.101.31.1

## TRACE FROM LINX TO 196.25.244.138

## LINX BGP SUMM

Query: summary

BGP table version is 5688984, main routing table version 5688984  
53961 network entries (78595/247417 paths) using 14251068 bytes of memory  
10067 BGP path attribute entries using 1453372 bytes of memory  
7681 BGP route-map cache entries using 122896 bytes of memory  
0 BGP filter-list cache entries using 0 bytes of memory  
Dampening enabled. 48 history paths, 8 dampened paths  
12763 received paths for inbound soft reconfiguration  
1112840 prefixes revised.

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
165. 117. 1. 38	4	2548	4406493	183520	5688984	0	0	2w3d	37359
165. 117. 1. 46	4	2548	535924	219007	5688984	0	0	5d05h	15321
165. 117. 1. 125	4	2548	32609	4626279	5688984	0	0	1d05h	14
165. 117. 52. 234	4	701	189501	13543	0	0	0	2w4d	Idle
165. 117. 52. 238	4	2914	65003	50096	5688968	0	0	06: 21: 09	1370
198. 32. 176. 5	4	1	177354	66151	5688984	0	0	1w2d	6154
198. 32. 176. 8	4	4565	33242	66104	5688984	0	0	2w1d	65
198. 32. 176. 10	4	3847	37528	65339	5688984	0	0	2w4d	337
198. 32. 176. 11	4	6461	40022	66585	5688984	0	0	4d15h	348
198. 32. 176. 12	4	4006	32122	65353	5688984	0	0	2w4d	17
198. 32. 176. 14	4	2914	68354	63080	5688984	0	0	06: 20: 14	1370
198. 32. 176. 15	4	3967	13392	12464	5688984	0	0	1w1d	138
198. 32. 176. 16	4	6172	32435	65749	5688984	0	0	1w1d	85
198. 32. 176. 19	4	7594	68711	65948	5688984	0	0	3d06h	239
198. 32. 176. 24	4	2497	52642	66136	5688984	0	0	2d20h	419
198. 32. 176. 25	4	1740	42555	46451	5688975	0	0	3d16h	1905
198. 32. 176. 26	4	3951	33121	65360	5688984	0	0	2w4d	175
198. 32. 176. 29	4	6196	13626	12467	5688984	0	0	1w1d	197
198. 32. 176. 33	4	4637	35276	66111	5688984	0	0	1w1d	204
198. 32. 176. 241	4	33	31844	65360	5688984	0	0	2w4d	5

198.32.176.242 4 33 31843 65360 5688984 0 0 2w4d 4

## BGP PATH INFO FROM PAIX

### IP:

#### 209.58.48.1

Query: bgp

Addr: 209.58.48.1

BGP routing table entry for 209.58.48.0/20, version 5135960

Paths: (1 available, best #1, advertised over IBGP)

701 6453 8414

165.117.52.234 (metric 11) from 165.117.1.46

Origin IGP, metric 34, localpref 100, valid, internal, best

Community: 0:669

Originator : 165.117.1.46, Cluster list: 165.117.1.46

#### 195.101.31.1

Query: bgp

Addr: 195.101.31.1

BGP routing table entry for 195.101.31.0/24, version 4898499

Paths: (1 available, best #1, advertised over IBGP)

1239 5511 8414, (received & used)

165.117.1.123 (metric 34) from 165.117.1.38 (165.117.1.4)

Origin IGP, metric 2000000000, localpref 100, valid, internal, best

Community: 2548:668

Originator : 165.117.1.123, Cluster list: 165.117.1.38, 165.117.1.6, 165.117.1.123

#### 196.25.244.138

Query: bgp

Addr: 196.25.244.138

BGP routing table entry for 196.25.0.0/16, version 5376306

Paths: (1 available, best #1, advertised over IBGP)

701 5713

165.117.52.234 (metric 11) from 165.117.1.46

Origin IGP, metric 4, localpref 100, valid, internal, best

Community: 0:669

Originator : 165.117.1.46, Cluster list: 165.117.1.46

## TRACE FROM PAIX TO 209.58.48.1

Query: trace

Addr: 209.58.48.1

Type escape sequence to abort.

Tracing the route to Teleglobe.net (209.58.48.1)

```
1 sjc3-core2-fa0-0-0.atlas.digex.net (165.117.53.194) 0 msec 0 msec 0 msec
2 uu.sjc3.atlas.digex.net (165.117.52.234) 0 msec 4 msec 0 msec
3 109.ATM2-0.XR4.SCL1.ALTER.NET (146.188.146.126) [AS 701] 0 msec 0 msec 4 msec
4 188.ATM3-0.TR4.SCL1.ALTER.NET (146.188.147.158) [AS 701] 0 msec 0 msec 0 msec
5 177.ATM9-0-0.TR2.NYC1.ALTER.NET (146.188.138.5) [AS 701] 84 msec 76 msec 100 msec
6 100.ATM4-0-0.XR2.NYC1.ALTER.NET (146.188.177.177) [AS 701] 84 msec 80 msec 72 msec

7 194.ATM1-0-0.GW1.NYC2.ALTER.NET (146.188.177.53) [AS 701] 80 msec 76 msec 76 msec
```



```

8 teleglobe.ny2-gw.customer.ALTER.NET (157.130.4.166) [AS 701] 80 msec 80 msec 76 msec
9 gin-nyy-ac1.Teleglobe.net (207.45.201.37) [AS 6453] 76 msec 76 msec 76 msec
10 gin-ppt-bb1.Teleglobe.net (207.45.199.234) [AS 6453] 92 msec 92 msec 96 msec
11 Teleglobe.net (207.45.215.1) [AS 6453] 92 msec 92 msec 96 msec
12 Teleglobe.net (207.45.223.42) [AS 6453] 108 msec 108 msec 112 msec
13 Teleglobe.net (207.45.203.222) [AS 6453] 472 msec 476 msec *

```

### **TRACE FROM PAIX TO 195.101.31.1**

Query: trace

Addr: 195.101.31.1

Type escape sequence to abort.

Tracing the route to 195.101.31.1

```

1 sjc3-core2-fa0-0-0.atlas.digex.net (165.117.53.194) 0 msec 0 msec 0 msec
2 sjc1-core2-h5-0.atlas.digex.net (165.117.50.121) 4 msec 0 msec 8 msec
3 sjc1-core1-fa3-0-0.atlas.digex.net (165.117.50.145) 0 msec 4 msec 4 msec
4 sjc2-core1-h2-0-0.atlas.digex.net (165.117.50.45) 4 msec 8 msec 4 msec
5 sl-mae-w-F0/0.sprintlink.net (198.32.136.11) 8 msec 4 msec 8 msec
6 sl-bb2-stk-4-0.sprintlink.net (144.228.10.109) [AS 1239] 8 msec 8 msec 12 msec
7 sl-bb22-stk-3-2.sprintlink.net (144.232.4.9) [AS 1239] 8 msec 8 msec 12 msec
8 sl-bb11-pen-6-0.sprintlink.net (144.232.8.177) [AS 1239] 64 msec 64 msec 68 msec
9 sl-bb2-pen-0-0-0.sprintlink.net (144.232.5.14) [AS 1239] 68 msec 68 msec 68 msec
10 pennsauken-hssi.eurogate.net (194.206.207.33) [AS 3215] 72 msec 68 msec 68 msec
11 193.55.152.65 [AS 5511] 144 msec 140 msec 140 msec
12 195.101.31.1 [AS 8414] 296 msec * 292 msec

```

### **TRACE FROM PAIX TO 196.25.244.138**

Query: trace

Addr: 196.25.244.138

Type escape sequence to abort.

Tracing the route to 196.25.244.138

```

1 sjc3-core2-fa0-0-0.atlas.digex.net (165.117.53.194) 0 msec 0 msec 0 msec
2 uu.sjc3.atlas.digex.net (165.117.52.234) 0 msec 4 msec 0 msec
3 109.ATM2-0.XR4.SCL1.ALTER.NET (146.188.146.126) [AS 701] 0 msec 4 msec 0 msec
4 188.ATM10-0-0.GW1.SF01.ALTER.NET (146.188.146.165) [AS 701] 4 msec 4 msec 4 msec
5 SATelkom-gw.customer.ALTER.NET (157.130.192.134) [AS 701] 352 msec 396 msec 408 msec
6 196.25.0.46 [AS 5713] 300 msec 408 msec 400 msec
7 196.25.244.138 [AS 5713] 360 msec 372 msec *

```

### **PAIX BGP SUMM**

Query: summary

```

BGP table version is 5688984, main routing table version 5688984
53961 network entries (78595/247417 paths) using 14251068 bytes of memory
10067 BGP path attribute entries using 1453372 bytes of memory
7681 BGP route-map cache entries using 122896 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Dampening enabled. 48 history paths, 8 dampened paths
12763 received paths for inbound soft reconfiguration

```

1112840 prefixes revised.

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
165. 117. 1. 38	4	2548	4406493	183520	5688984	0	0	2w3d	37359
165. 117. 1. 46	4	2548	535924	219007	5688984	0	0	5d05h	15321
165. 117. 1. 125	4	2548	32609	4626279	5688984	0	0	1d05h	14
165. 117. 52. 234	4	701	189501	13543	0	0	0	2w4d	Idle
165. 117. 52. 238	4	2914	65003	50096	5688968	0	0	06: 21: 09	1370
198. 32. 176. 5	4	1	177354	66151	5688984	0	0	1w2d	6154
198. 32. 176. 8	4	4565	33242	66104	5688984	0	0	2w1d	65
198. 32. 176. 10	4	3847	37528	65339	5688984	0	0	2w4d	337
198. 32. 176. 11	4	6461	40022	66585	5688984	0	0	4d15h	348
198. 32. 176. 12	4	4006	32122	65353	5688984	0	0	2w4d	17
198. 32. 176. 14	4	2914	68354	63080	5688984	0	0	06: 20: 14	1370
198. 32. 176. 15	4	3967	13392	12464	5688984	0	0	1w1d	138
198. 32. 176. 16	4	6172	32435	65749	5688984	0	0	1w1d	85
198. 32. 176. 19	4	7594	68711	65948	5688984	0	0	3d06h	239
198. 32. 176. 24	4	2497	52642	66136	5688984	0	0	2d20h	419
198. 32. 176. 25	4	1740	42555	46451	5688975	0	0	3d16h	1905
198. 32. 176. 26	4	3951	33121	65360	5688984	0	0	2w4d	175
198. 32. 176. 29	4	6196	13626	12467	5688984	0	0	1w1d	197
198. 32. 176. 33	4	4637	35276	66111	5688984	0	0	1w1d	204
198. 32. 176. 241	4	33	31844	65360	5688984	0	0	2w4d	5
198. 32. 176. 242	4	33	31843	65360	5688984	0	0	2w4d	4

**BGP PATH INFO FROM MAE-F (A)**

**209.58.48.1**

*Not in Table*

**195.101.31.1**

*Not in Table*

**196.25.244.138**

*Not in Table*

**TRACE FROM MAE-F (A) TO 209.58.48.1**

**TRACE FROM MAE-F (A) TO 195.101.31.1**

**TRACE FROM MAE-F (A) TO 196.25.244.138**

**MAE- F (A) BGP SUMM**

**BGP PATH INFO FROM MAE-F (B)**

**209.58.48.1**

*Not in Table*

**195.101.31.1**

*Not in Table*

**196.25.244.138**

*Not in Table*

**TRACE FROM MAE-F (B) TO 209.58.48.1**

**TRACE FROM MAE-F (B) TO 195.101.31.1**

**TRACE FROM MAE-F (B) TO 196.25.244.138**

**MAE- F (B) BGP SUMM**

## 8414 Router Summary

-----

ITU-ShowNet1#trace 194.234.22.66

Type escape sequence to abort.

Tracing the route to 194.234.22.66

```
 1 195.101.31.2 152 msec 152 msec 152 msec
 2 193.55.152.70 [AS 5511] 228 msec 228 msec 224 msec
 3 sl-relay-hssi.eurogate.net (194.206.207.38) [AS 5511] 228 msec 228 msec 228 msec
 4 gip-dc-2-fddi1-0.gip.net (204.59.144.194) [AS 4000] 228 msec 228 msec 228 msec
 5 gip-penn-2-hssi4-0.gip.net (204.59.145.18) [AS 4000] 232 msec 248 msec 228 msec
 6 204.59.137.50 [AS 4000] 416 msec 324 msec 320 msec
 7 204.59.137.50 [AS 4000] !H * !H
```

ITU-ShowNet1#sh ip bgp 194.234.22.66

BGP routing table entry for 194.234.0.0/18, version 61460

Paths: (3 available, best #3, advertised over EBCP)

```
 6453 8297 4000 5509, (aggregated by 5509 194.206.217.9), (received & used)
    207.45.203.213 from 207.45.203.213 (207.45.203.253)
```

```
      Origin IGP, localpref 100, valid, external, atomic-aggregate
```

```
 6453 8297 4000 5509, (aggregated by 5509 194.206.217.9), (received & used)
    207.45.203.253 from 207.45.203.253
```

```
      Origin IGP, localpref 100, valid, external, atomic-aggregate
```

```
 5511 1239 4000 5509, (aggregated by 5509 194.206.217.9), (received & used)
    195.101.31.2 from 195.101.31.2 (193.55.152.21)
```

```
      Origin IGP, localpref 100, valid, external, atomic-aggregate, best
```

---

## ROUTER SPECIFICS

ITU-ShowNet1#trace 192.41.177.115

Type escape sequence to abort.

Tracing the route to mae-east.digex.net (192.41.177.115)

```
 1 Teleglobe.net (207.45.203.213) [AS 6453] 552 msec 600 msec 556 msec
 2 Teleglobe.net (207.45.223.41) [AS 6453] 568 msec 568 msec 568 msec
 3 Teleglobe.net (207.45.215.2) [AS 6453] 624 msec 568 msec 568 msec
 4 gin-nyy-ac1.Teleglobe.net (207.45.199.233) [AS 6453] 588 msec 584 msec 588 msec
 5 gin-nyy-bb1.Teleglobe.net (207.45.201.33) [AS 6453] 584 msec 588 msec 584 msec
 6 0.Hssi10-1-0.GW1.NYC2.ALTER.NET (157.130.5.217) [AS 701] 588 msec 696 msec 592 msec
 7 143.ATM10-0-0.XR2.NYC1.ALTER.NET (146.188.177.54) [AS 701] 588 msec 640 msec 596 msec
 8 100.ATM10-0-0.TR2.NYC1.ALTER.NET (146.188.177.186) [AS 701] 588 msec 588 msec 588 msec
 9 104.ATM7-0.TR2.DCA1.ALTER.NET (146.188.136.217) [AS 701] 592 msec 592 msec 600 msec
10 198.ATM4-0-0.XR2.TC01.ALTER.NET (146.188.161.177) [AS 701] 592 msec 596 msec 592 msec
11 192.ATM10-0-0.BR2.TC01.ALTER.NET (146.188.160.93) [AS 701] 596 msec 620 msec 596 msec
12 * * *
13 * * *
14 * * *
15 * * *
16 *
```

mae-east.digex.net (192.41.177.115) [AS 701] 704 msec \*

ITU-ShowNet1#sh ip bgp 192.41.177.115

BGP routing table entry for 192.41.177.0/24, version 1408041

Paths: (2 available, best #1, advertised over EBGp)

```
 6453 701, (received & used)
    207.45.203.213 from 207.45.203.213 (207.45.203.253)
      Origin IGP, localpref 100, valid, external, best
 6453 701, (received & used)
    207.45.203.253 from 207.45.203.253
      Origin IGP, localpref 100, valid, external
```

ITU-ShowNet1#sh ip bgp 192.157.69.42

BGP routing table entry for 192.157.69.0/24, version 57730

Paths: (3 available, best #3, advertised over EBGp)

```
 6453 1239, (received & used)
    207.45.203.213 from 207.45.203.213 (207.45.203.253)
      Origin IGP, localpref 100, valid, external
 6453 1239, (received & used)
    207.45.203.253 from 207.45.203.253
      Origin IGP, localpref 100, valid, external
 5511 1239, (received & used)
    195.101.31.2 from 195.101.31.2 (193.55.152.21)
      Origin IGP, localpref 100, valid, external, best
```

ITU-ShowNet1#sh ip bgp 165.117.53.193

BGP routing table entry for 165.117.0.0/16, version 52918

Paths: (3 available, best #3, advertised over EBGp)

```
 6453 1239 2548, (received & used)
    207.45.203.213 from 207.45.203.213 (207.45.203.253)
      Origin IGP, localpref 100, valid, external
 6453 1239 2548, (received & used)
    207.45.203.253 from 207.45.203.253
      Origin IGP, localpref 100, valid, external
 5511 1239 2548, (received & used)
    195.101.31.2 from 195.101.31.2 (193.55.152.21)
      Origin IGP, localpref 100, valid, external, best
```

ITU-ShowNet1#sh ip bgp 198.32.136.60

BGP routing table entry for 198.32.136.0/24, version 1416196

Paths: (3 available, best #1, advertised over EBGp)

```
 6453 701, (received & used)
    207.45.203.213 from 207.45.203.213 (207.45.203.253)
      Origin IGP, localpref 100, valid, external, best
 6453 701, (received & used)
    207.45.203.253 from 207.45.203.253
      Origin IGP, localpref 100, valid, external
```

5511 1239 668, (received & used)  
195.101.31.2 from 195.101.31.2 (193.55.152.21)  
Origin IGP, localpref 100, valid, external  
ITU-ShowNet1#trace 192.157.69.42

Type escape sequence to abort.

Tracing the route to sprint-nap.digex.net (192.157.69.42)

```
 1 195.101.31.2 152 msec 152 msec 152 msec
 2 193.55.152.66 [AS 5511] 228 msec 224 msec 228 msec
 3 * * *
 4 * * *
 5 * * *
 6 * * *
 7 sprint-nap.digex.net (192.157.69.42) [AS 1239] 264 msec * *
ITU-ShowNet1#trace 165.117.53.193
```

Type escape sequence to abort.

Tracing the route to sjc3-core1-fa4-0-0.atlas.digex.net (165.117.53.193)

```
 1 195.101.31.2 152 msec 152 msec 160 msec
 2 193.55.152.66 [AS 5511] 224 msec 224 msec 228 msec
 3 sl-pennsauken-hssi.eurogate.net (194.206.207.34) [AS 5511] 228 msec 228 msec 228 msec
 4 sl-bb10-pen-0-2.sprintlink.net (144.232.5.13) [AS 1239] 228 msec 224 msec 224 msec
 5 144.232.5.62 [AS 1239] 224 msec 228 msec 228 msec
 6 sprint-nap.digex.net (192.157.69.42) [AS 1239] 228 msec 228 msec 232 msec
 7 phl2-core2-f4-0.atlas.digex.net (165.117.51.37) [AS 2548] 228 msec 228 msec 228 msec
 8 dca1-cpe2-h10-1-0.atlas.digex.net (165.117.51.33) [AS 2548] 232 msec 236 msec 232 msec
 9 dca1-cpe6-fe5-1-0.atlas.digex.net (165.117.224.1) [AS 2548] 420 msec 232 msec 232 msec
10 dca1-core1-fa0-0-0.atlas.digex.net (165.117.17.1) [AS 2548] 292 msec 292 msec 292 msec
11 sjc1-core2-a2-0.atlas.digex.net (165.117.55.2) [AS 2548] 296 msec 292 msec 296 msec
12 sjc3-core2-s5-0-0.atlas.digex.net (165.117.50.122) [AS 2548] 296 msec 296 msec 292
msec
13 sjc3-core1-fa4-0-0.atlas.digex.net (165.117.53.193) [AS 2548] 300 msec * 292 msec
ITU-ShowNet1#trace 198.32.136.60
```

Type escape sequence to abort.

Tracing the route to sjc2-core1-fddi-3-0-0.atlas.digex.net (198.32.136.60)

```
 1 Teleglobe.net (207.45.203.213) [AS 6453] 552 msec 552 msec 552 msec
 2 gin-nyy-bb2.Teleglobe.net (207.45.202.9) [AS 6453] 560 msec 564 msec 560 msec
 3 Hssi10-0-0.GW1.NYC4.ALTER.NET (157.130.6.33) [AS 701] 564 msec 564 msec 560 msec
 4 131.ATM2-0.XR2.NYC4.ALTER.NET (146.188.178.126) [AS 701] 560 msec 628 msec 560 msec
 5 188.ATM3-0-0.XR2.NYC1.ALTER.NET (146.188.178.102) [AS 701] 580 msec 580 msec 576 msec
 6 100.ATM2-0-0.TR2.NYC1.ALTER.NET (146.188.177.178) [AS 701] 576 msec 576 msec 576 msec
 7 104.ATM7-0.TR4.SCL1.ALTER.NET (146.188.138.6) [AS 701] 688 msec 648 msec 648 msec
 8 196.ATM2-0-0.XR2.SJC1.ALTER.NET (146.188.147.217) [AS 701] 672 msec 648 msec 648 msec
 9 192.ATM1-0-0.SAN-JOSE9-GW.ALTER.NET (146.188.144.133) [AS 701] 824 msec 648 msec 652
msec
10 sjc2-core1-fddi-3-0-0.atlas.digex.net (198.32.136.60) [AS 701] 852 msec 644 msec 640
msec
ITU-ShowNet1#
```