Hutch LAN/MAN Map

Hutch Partner Connectivity

InterNAP Fisher Plaza, ASN 14744 — InterNAP NOC 206-256-9500 noc@internap.com
- crab-1.border7.sef.pnap.net
- crab-2.border1.sef.pnap.net

CRAB
CRAB 1730 Minor Ave. Suite 1900
63.251.10.64/28
66.150.9.0/26
crab-far 192.168.2.5
To crab-rtr in Hutch Meet Me Zone

UW

University of Washington

GigaPOP ASN 101 — UW GigaPOP Operations 206-934-5580 noc@pnw-gigapop.net
ccar1-ads 209.124.179.69

UW Network
ASN 101
128.95.0.0/16
128.208.0.0/16
140.142.0.0/16
192.35.180.0/24
198.32.170.0/23
198.32.171.0/23
198.48.64.0/19
198.107.144.0/20
204.203.128.0/19
205.175.96.0/19

UW MCIS
206-543-7012
mcsos@u.washington.edu

InterNAP Westin Building ASN 6993 — InterNAP NOC 206-256-9500
- children-1.border16a.sea.pnap.net 206.253.222.238
- children-2.border16a.sea.pnap.net 206.253.193.158

206.253.193.158 206.253.223-238
Internet Router
208.146.45.100

209.124.179.70
GigaPOP Router
146.79.254.254
chrmc-far
Cisco

CHRMC
portal.chmc.org 208.146.45.104
208.146.45.110 cerebus 146.79.130.10 chrmc-fw
Network Team noc@seattlechildrens.org
portal1.chmc.org 146.79.130.92
portal2.chmc.org 146.79.130.93
146.79.254.10 GigaPOP Firewall 146.79.253.10
CHRMC HelpDesk 206-987-4900
CHRMC Network 146.79.0.0/16

Meet Me Zone

CF-114 , MD-C016, and GA-116

InterNAP Fisher Plaza, ASN 14744 — InterNAP NOC 206-256-9500 noc@internap.com
- border4.s7-11.fhcrc-4.sef.pnap.net 63.251.162.149

AT&T 12.CQTA.012320TSU

GigaPOP ASN 101 — UW GigaPOP Operations 206-934-5580 noc@pnw-gigapop.net
- ccar2-wes 209.124.179.85 Westin Building
- ccar1-ads 209.124.179.65 UW4545

InterNAP Westin Building ASN 6993 — InterNAP NOC 206-256-9500
- border16s.s6-1.fhcrc-5.sea.pnap.net 206.191.144.137

Qwest 73.MGAT.403734..PH

WHI
Located on M3

CRAB
1730 Minor Ave STE 1900
Seattle, WA 98101-1468

Qwest 4.LaneS.136785

gigapop-a-trk 209.124.179.86 VLAN 501
gigapop-a-rtr 140.107.1.103
gigapop-b-trk 209.124.179.66 VLAN 502
gigapop-b-rtr 140.107.1.104

Tunnels to:
CHRMC 146.79.0.0/16
GEMS 150.2.0.0/16
UWSOD 140.142.26.151
Numerous smaller tunnels

internap-a-s3 63.251.162.150
internap-a-rtr 140.107.1.105
1.193 Cisco 7606 — 2.10 Located in mdg-114
cf-mmz-mc

internap-b-s3 206.191.144.138
internap-b-rtr 140.107.1.108
1.22 Cisco 7206 — 1.196 Located in mgdmc

192.168.2.6 crab-rtr 140.107.1.107
1.18 Cisco 2620 — 2.18 Located in cf-114
cf-mmz-mc

manwe 2.26 — 1.26 Located in MD-C162 — MD-mgt

VLAN 303 140.107.1.192/28 VPN Subnet
1.199 — 2.2 Catalyst 6506 — Located in cf-114
1.202 — 1.6 Catalyst 6506 — Located in ga-116

140.107.1.192/28
140.107.2.8/30
140.107.2.20/30
140.107.2.40/30
140.107.2.16/30
140.107.2.24/30
140.107.1.24/30
140.107.1.16/30

ga-mc

VLAN 305 — SSC-400 SPA Module VLAN 303 1.203 — 1.5 1.21 — 1.17 — 1.25
VLAN 305 — SSC-400 SPA Module VLAN 303 1.204 — 2.9 2.1 — 2.25 — 2.17

140.107.0.32/30
EIGRP Routing Interlink
0.33 — 0.34

mmra-a-rtr 140.107.1.101
mmra-b-rtr 140.107.1.102
66.150.172.17
VLAN 301 HSRP 140.107.0.1
VLAN 302 HSRP 140.107.0.17
0.2 — 0.18 Catalyst 6506 — Located in cf-114
0.3 — 0.19 Catalyst 6506 — Located in ga-116
Network 140.107.0.0/16 AS14954

box-nat 140.107.1.209 66.150.172.18

FHCRC Firewall Subnet 140.107.0.0/28 140.107.0.0 - 140.107.0.14 VLAN 301
SCCA Firewall Subnet 140.107.0.16/28 140.107.0.17 - 140.107.0.30 VLAN 302

Meet Me Zone Routing

Under normal conditions, mmra-a-rtr is the HSRP Active partner for the two firewall VLANs and therefore carries all out-bound traffic. EIGRP load-balances in-bound traffic across mmra-x-rtr.

EIGRP
All routers within the Meet Me Zone participate in an EIGRP group: Hello 1, Hold-time 3.

Firewall Subnets
The "a" firewalls are primary; the "b" firewalls are standby, with mmra-a-rtr as the Active HSRP partner, and mmra-x-rtr using HSRP Standby-Timers 1 3

Statics
Static routes on mmra-x-rtr direct 146.79.0.0/16 and 150.2.0.0/16 traffic to site-vpn for encryption and forwarding to VPN tunnel partners at CHRMC and GE. Statics on mmra-x-rtr also direct traffic to the Hutch and SCCA firewalls. Static routes in crab-rtr direct traffic across the T1 to crab-far. internap-x-rtr advertise reachability to the gateway-of-last-resort.

BGP
mmra-x-rtr function as BGP route reflectors, advertising reachability for AS 14954 to gigapop-x-rtr and internap-x-rtr. gigapop-a-rtr exchanges routes with ccar2-wes while gigapop-b-rtr exchanges routes with ccar1-ads. internap-x-rtr exchanges routes with border4s and border16s respectively. BGP Hello 10, Hold-time 30. We don't tweak route policy, so mmra-x-rtr are free to use standard BGP metrics to pick the best path.

Satellite Offices

Harrison
1610 W. Harrison
harrison-rtr 6.217 — 204.1 Cisco 2821 — 191.22
Qwest T1 4.MHYX.386123.TN
Elliott Bay

Annex Building
4871 Columbia Ave.
annex-esx 196.5 Catalyst 3548XL
annex-rtr 140.107.8.231 — 196.1 Cisco 2620 — 191.6 — 12 channels
annex-csu 197.27 — Mitgo ISX 5312 — 12 channels
annex-mcr
Qwest T1 4.MRDW.389266

Cabrini Medical Tower
1250 Boren Ave.
cabrini-esx 202.5 Catalyst 3548XL
cabrini-rtr 140.107.8.232 — 202.1 Cisco 2620 — 191.10
cabrini-mcr
To cf-pbx
Qwest T1 4.MHDB.387728.PN
Qwest T1 4.MHDB.382759

Rivkin Center
624 Madison St. Salat Aman x6778
rivkin-esx 198.5 Catalyst 3524XL
rivkin-rtr 140.107.8.234 — 198.1 Cisco 2620 — 191.14
Qwest T1 4.RHDA.937829

First Hill
To cf-pbx — 12 channels
cf-2-csu Mitgo ISX 5312 — 12 channels
191.9 — 191.5 — 191.21
191.13
To cf-pbx — 8 Channels
cf-csu Mitgo ISX 5312 — 16 Channels
sat-rtr 140.107.6.214 Cisco 2811 Located in cf-114
191.17
See Bag o' Stuff to understand how sat-rtr connects to the rest of the network

Cascadia
hschool-esx 200.5 Catalyst 3548XL
hschool-rtr 140.107.8.233 — 200.1 Cisco 2620 — 191.18 — 16 Channels
hschool-csu 200.8 — Mitgo ISX 5312 — 8 Channels
hschool-mcr
Qwest 74.MDFJ.992736

Bag o' Stuff

Building LE

sat-rtr 140.107.6.214 Cisco 2811 Located in cf-114
6.238 — 6.242
6.237 — 6.241

bag-a-rtr 6.211 HSRP Active sw.1 — bag-b-rtr 6.212 HSRP Standby sw.1

gbsr-hutch-a-esx 82.5 Catalyst 4948 — 82.2
gbsr-hutch-b-esx 82.6 Catalyst 4948 — 82.3
GA-116
Located in G7-012
g7-hutch-esx 34.5 Catalyst 3750 — 34.2 — 34.3
G1 Security Workstation

SELU Outbuildings
ff-esx 38.5 Catalyst 4507 — 38.2 — 38.3
la-esx 40.5 Catalyst 3750 — 40.2 — 40.3
lv-esx 44.5 Catalyst 3750 — 44.2 — 44.3
lm-esx 46.5 Catalyst 4507 — 46.2 — 46.3
hkids-esx 48.5 Catalyst 3750 — 48.2 — 48.3
Located in cf-114

Catalyst 6506 — Catalyst 6506

1616 Eastlake

Building J
Phase IVa: 823 Yale Ave. N.

le4-rtr 6.215 HSRP Active sw.1 — le4-b-rtr 6.216 HSRP Standby sw.1

Core — Applications — FMS
E-mail
WWW — Geraghty
File & Print — Ludwig
Mgmt — Voice
Shared Resources

le2-esx 120.5 Catalyst 4510 — 120.2 — 120.3
le3-esx 122.5 Catalyst 3750 — 122.2 — 122.3
le4-dgw
le4-esx 124.5 Catalyst 4510 — Covid BRI Switch — 124.2 — 124.3
le5-esx 126.5 Catalyst 4510 — 126.2 — 126.3
le5-test-esx 128.5 Catalyst 4948 — 128.2 — 128.3

VLAN186

Yale

Building J
Phase IVa: 823 Yale Ave. N.

JA-112 — Covid BRI Switch — 1249 SF Switch 10.0.0.6, 10.10.0.6, 10.104, or JA-162

ja-a-rtr 6.205 HSRP Active sw.1 — ja-b-rtr 6.206 HSRP Standby sw.1

ja-esx 66.5 Catalyst 3750 — 66.2 — 66.3
j1-esx 68.5 Catalyst 4507 — 68.2 — 68.3
j2-esx 70.5 Catalyst 4507 — 70.2 — 70.3
j3-esx 72.5 Catalyst 4507 — 72.2 — 72.3
j4sr-a-esx 42.5 Catalyst 4006 — 42.2
j4sr-b-esx 42.6 Catalyst 6509 — 42.3
j4-test-esx 50.5 Catalyst 4503 — 50.2 — 50.3
j4-esx 74.5 Catalyst 4510 — 74.2 — 74.3
j5-esx 76.5 Catalyst 4507 — 76.2 — 76.3
j6-esx 78.5 Catalyst 4507 — 78.2 — 78.3
Designated Root Vlan178 00-07-84-73-a9-01 — Designated Backup Vlan178 00-07-84-73-b0-01

J4-401

Core — Applications — FMS
E-mail
CP — PHS-SC
Geraghty — Voice
File & Print — Ludwig
Mgmt
Shared Resources

VLAN178

Amold

Building M
Phase IVb: 900 Fairview Ave. N.

MD-C016

mnw-esx 142.5 Catalyst 4506 — 142.2 — 142.3
md-dgw
md-esx 144.5 Catalyst 3750 — 144.2 — 144.3
mdw-esx 146.5 Catalyst 4506 — 146.2 — 146.3
m1e-esx 148.5 Catalyst 4506 — 148.2 — 148.3
m1w-esx 150.5 Catalyst 4506 — 150.2 — 150.3
m1sr-a-esx 152.5 Catalyst 4506 — 152.2 — 152.3
m1sr-b-esx 152.6 Catalyst 6506
m2w-esx 156.5 Catalyst 4510 — 156.2 — 156.3
m2sr-a-esx 158.5 Catalyst 4503
m2sr-b-esx 158.6 Catalyst 4503
m3e-esx 160.5 Catalyst 4506 — 160.2 — 160.3
m3w-esx 162.5 Catalyst 4506 — 162.2 — 162.3
m3sr-a-esx 164.5 Catalyst 4506 — 164.2 — 164.3
m3sr-b-esx 164.6 Catalyst 4506
m4e-esx 166.5 Catalyst 4506 — 166.2 — 166.3
m4w-esx 168.5 Catalyst 4510 — 168.2 — 168.3
m4sr-a-esx 170.5 Catalyst 4506 — 170.2 — 170.3
m4sr-b-esx 170.6 Catalyst 6506
m5e-esx 172.5 Catalyst 4510 — 172.2 — 172.3

M1-C126
M2-C126
M3-C162
M4-C124

PHS-SC — CP — COMPASS — WD Delta Samuels

VLAN180

Weintraub & Hutchinson

Buildings A, B, and C
Phase 1: 1100 Fairview Ave. N.

To cf-pbx
x1600 — x1550 — x1500
cf-rad 12.12 Cisco 3640

cf-vpn 14.8 — 12.28 VPN-3030
nomad-ips 12.30 UnityOne 280
cf-dgw — cf-2-dgw

cf-esx 12.5 Catalyst 3750

cf-a-rtr 6.207 HSRP Active sw.1 — cf-b-rtr 6.208 HSRP Standby sw.1

GF-114
C1-016

c1-esx 26.5 Catalyst 4507 — 26.2 — 26.3
c2-esx 28.5 Catalyst 4507 — 28.2 — 28.3
c3-esx 30.5 Catalyst 4507 — 30.2 — 30.3
b4-esx 32.5 Catalyst 4510 — 32.2 — 32.3
b2-esx 22.5 Catalyst 4507 — 22.2 — 22.3
b3-esx 24.5 Catalyst 4507 — 24.2 — 24.3
adsr-a-esx 36.5 Catalyst 4948 — 36.2
Shared Resources
AD-117
adsr-b-esx 36.6 Catalyst 4948 — 36.3
A1-029 — Human Biology Jeng Li
a1-esx 16.5 Catalyst 4507 — 16.2 — 16.3
a2-esx 18.5 Catalyst 4507 — 18.2 — 18.3
a3-esx 20.5 Catalyst 4507 — 20.2 — 20.3

VLAN184

Thomas

Building D
Phase II: 1100 Fairview Ave. N

df-a-rtr 6.209 HSRP Active sw.1 — df-b-rtr 6.210 HSRP Standby sw.1

dfsr-a-esx 52.5 Catalyst 4948 — 52.2
Basic — Jeng Li
Human Biology — Jeng Li
PHS — Dave Bates
Applications
Core
E-mail
File & Print
Geraghty
DF-120 x3876
Mgmt
Voice
dfsr-b-esx 52.6 Catalyst 4503 — 52.3
de-esx 54.5 Catalyst 4507 — 54.2 — 54.3
d1-esx 56.5 Catalyst 4510 — 56.2 — 56.3
d2-esx 58.5 Catalyst 4507 — 58.2 — 58.3
d3-esx 60.5 Catalyst 4510 — 60.2 — 60.3
d4-esx 62.5 Catalyst 4510 — 62.2 — 62.3
SOPS
d5-esx 64.5 Catalyst 4507 — 64.2 — 64.3
Clinical Data Systems — Ron Rokin
CRDS 140.107.80.0/24
D5-120
VRRP 140.107.80.1
80.2 crds-a-fw 6.13 — 80.3 crds-b-fw 6.14
SonicWall Pro 5060 — SonicWall Pro 5060
VRRP 140.107.6.12
Clinical Firewalls
VLAN 280 140.107.6.0/28
d5sr-esx 6.5 Catalyst 4503 — 6.2 — 6.3

VLAN182

SCCA

Building G
Phase III: 825 Eastlake Ave E.

ga-rtr 6.203 HSRP Active sw.1 — ga-b-rtr 6.204 HSRP Standby sw.1

gbsr-a-esx 250.5 Catalyst 6506 — 250.2 — 250.3
gbsr-b-esx 250.6 Catalyst 6504
GB-113 378-4827
gb-dgw
Core — Voice
E-mail — Mgmt
File & Print
Application
gw-vpn 248.8 — 253.8 VPN-3015
ga-travel-ips 248.14 UnityOne 200
GA-116
ga-esx 248.5 Catalyst 3524XL — 248.2 — 248.3
g1-esx 241.5 Catalyst 4507 — 241.2 — 241.3 — G1-008 VTC 3 MN
g2-esx 242.5 Catalyst 4507 — 242.2 — 242.3
g3-esx 243.5 Catalyst 4503 — 243.2 — 243.3 — G3-102 VTC 3 MN
g4-esx 244.5 Catalyst 4510 — 244.2 — 244.3
g5-esx 245.5 Catalyst 4506 — 245.2 — 245.3
g6-esx 246.5 Catalyst 4510 — 246.2 — 246.3
g7-esx 247.5 Catalyst 4507 — 247.2 — 247.3
j4-test-scca-esx 251.5 Cisco 3524 — 251.2 — 251.3
e2-agw
e2-esx 252.5 Catalyst 4507 — 252.2 — 252.3
e2-dgw
VDOPS
lg3-esx 254.5 Catalyst 4507 — 254.2 — 254.3
lg-dgw
lv-scca-esx 255.5 Catalyst 4503 — 255.2 — 255.3
ga-scca-esx 249.5 Catalyst 4503 — 249.2 — 249.3
Located in LA — la-scca-esx 249.11 Catalyst 4950
Located in Fairview — ff-scca-esx 249.6 Catalyst 3548XL
Located in Jill — j4-scca-esx 249.7 Catalyst 3548XL
Designated Root Vlan240 00:03:31:c5:5c:00 — Designated Backup Vlan240 00:03:6c:413c:00

VLAN240

VLAN260 HSRP 140.107.253.49
253.50 — 253.51 — 253.2 — 253.3
To cf-pbx — 12 channels — 12 channels
e2-agw — e2-esx 252.5 Catalyst 4507 — Mitgo ISX 5312 — e2-dgw — 252.2 — 252.3

Legend

Goals

- to help the Duty staff figure out what a 'down' page means
- to assist in analyzing and trouble-shooting IP transport problems
- to illustrate bandwidth available between locations
- to illustrate resilient design choices in IP transport
- to support a mental mapping between logical transport design and physical location
- to document perimeter-oriented security features of the IP transport network
- to deliver a high-level feel for server characteristics: location, function, owner, OS flavor

Devices

CSU/DSU
Firewall or IPS
High-Availability
Unassigned
Media Converter
PBX
VPN Tunnel Terminator
Router
Switch, Layer 2
Switch, Layer 3
Wireless Dish
VoIP
10 Gig Ethernet
Gigabit Ethernet
Fast Ethernet
T1
802.11b/g
Vulture

Symbols

Details

If a device is colored, the Hutch or the SCCA owns it.
If a device is white, a service provider or a partner owns it.
Indigo indicates Gigabit throughput
Purple indicates Fast Ethernet throughput
Turquoise indicates Vanilla Ethernet throughput
Yellow indicates 802.11 throughput

Voice Gear

PBX — PBX Peripheral — VoIP — CSU/DSU

Bandwidth

10Gig Ethernet (10,000Mb) — Dk Indigo
Gigabit Ethernet (1000 Mb) — Indigo
Fast Ethernet (100 Mb) — Purple
Vanilla Ethernet (10Mb) — Turquoise
802.11 (11 - 54 Mb) — Yellow

OC3 (155 Mb) — Red
T3 (45 Mb) — Orange
T1 (1.544 Mb) — Green

V-Nets

802.11: Indicates the presence of ports assigned to a VLAN dedicated to wireless access points.
CSS: Indicates the presence of ports assigned to a VLAN belonging to 140.107.138.0/23, the internal CSS network.
SCHARP: Indicates the presence of ports assigned to a VLAN belonging to 10.6.x.y, the internal SCHARP network.

End-Stations

Linux — Orange
Misc (SCO, OpenVMS, VMWare) — Red
NT 4.0 — Lt Blue
NT 5.0 — Med Blue
NT 5.2 — Dk Blue
Solaris — Mauve

Type Codes

agw — Analog Gateway: TDM to VoIP converter
brg — Bridge (Layer 2, converts media)
csu — CSU/DSU
dgw — Digital Gateway: TDM to VoIP converter
emu — Environmental monitoring unit
esx — Ethernet Switch: Layer 2 device
fw — Firewall
hub — Hub or concentrator or stack: Layer 1 device
ips — Intrusion Prevention System
mc — Media converter (repeater)
pbx — Private Branch Exchange: telephone switch
rad — Remote Access Device
rtr — Router: Layer 3 device
tsr — Terminal server: serial to ethernet gateway
vpn — VPN tunnel terminator

skendric 4-29-2007

What's Changed

-switch upgrades
-servers
-replace sat-rtr, retire cf-harrison-rtr

PHS-SC

The Pit

M4-C124

pit-a-esx 3.5 Catalyst 3548XL — pit-b-esx 3.6 Catalyst 3548XL

VRRP: 140.107.3.1 — VRRP: 140.107.0.4
Primary — Secondary
3.2 — 0.5 — ice-a-fw — 4.5 Nokia IP340 — Located in cf-114
3.3 — 0.6 — ice-b-fw — 4.6 Nokia IP740 — Located in MD-C016
ice-fw
VRRP: 140.107.4.4

FHCRC Firewalls

Located in CF-114 — Located in MD-C016
edge-a-ips 12.16 UnityOne 1200 — edge-b-ips 144.16 UnityOne 1200

VLAN4
HSRP 140.107.4.1
FHCRC Firewall Subnet 140.107.4.0/28 140.107.4.0 - 140.107.4.14 VLAN 4

core-a-rtr 140.107.6.201 — 4.2 — Catalyst 6506
core-b-rtr 140.107.6.202 — 4.3 — Catalyst 6506

VLAN517 166 — VLAN279 174 — VLAN525 182 — VLAN287 190 — VLAN505 118
VLAN507 126 — VLAN262 102
VLAN503 158 — VLAN509 150 — VLAN513 142 — VLAN276 134 — VLAN272 110
VLAN518 170 — VLAN280 178 — VLAN288 186 — VLAN283 194 — VLAN556 122 — VLAN508 130 — VLAN502 106
VLAN283 114 — VLAN510 138
VLAN272 162 — VLAN514 154 — VLAN276 146

Hutch Routing

Under normal conditions, traffic leaving the access layer traverses the "a" side of the distribution layer, because the "a" side routers are configured as the HSRP Active partners. However, inbound traffic crossing the core layer (core-x-rtr) and entering a building load-balances across both the "a" and "b" sides of the distribution layer.

Core Layer
core-x-rtr speak EIGRP. Hello 1, Hold-time 3, and advertise reachability to the gateway-of-last-resort. They service 140.107.0.0/16, 10.5.0.0/16 (VoIP), and 10.6.0.0/16 (SCHARP). Core subnets are all /30, except for the firewall subnet, which is a /28. The Hardware consists of Catalyst 6506s w/Sup 720E.

Distribution Layer
Distribution layer routers speak EIGRP on their subnet 6 interfaces, Hello 1, Hold-time 3. Interfaces have two IP addresses: 140.107.0.0/16 and 10.5.0.0/16; the map lists the last two octets of these IP addresses. Some interfaces have a third IP address: 10.6.0.0/16 (SCHARP). Toward the access layer, the "a" side routers are HSRP Active while the "b" side are HSRP Standby. Standby-timers 1 3. All access layer subnets are /23. All access layer interfaces perform 802.1q trunking toward the access layer switches. The Hardware consists of Catalyst 6506s w/Sup 720E.

Access Layer
Access layer switches support a primary VLAN numbered with the third octet of the IP address (i.e. a unique VLAN per floor) as well as an auxiliary VLAN supporting CoS and mapped to 10.5.0.0/16 -- this supports VoIP, numbered as 600 + the primary VLAN. Some access layer switches also support SCHARP VLANs (numered as 200 + the primary VLAN). The Hardware consists primarily of Catalyst 4006 & 4506 w/Sup II, migrating toward Catalyst 4507 w/Sup V ... with legacy Catalyst 4003s and 3548s.

Bag o' Stuff
A place to dump miscellaneous links, Bag O' Stuff contains the Meet Me Zone, where scientifically independent groups meet across routers. Also contains the SELU Outbuildings and the HF3000 subnet. In the future, bag-x-rtr will contain the remote access servers (speaking EIGRP with cf-rad and static routes to support VPN-accessible subnets via cf-vpn), sat-rtr(EIGRP), and G7 (Hutch staff locatedin the SCCA 's building).

SCCA Firewalls

Network 140.107.240.0/20
Primary — Secondary
140.107.0.20 ga-a-fw 140.107.253.52 Cisco PIX 535 — 140.107.0.21 ga-b-fw 140.107.253.53 Cisco PIX 535
VRRP — High-Availability — ga-fw
VRRP 140.107.253.52
Pair Also Located in GA-116

ga-a-ips 248.12 UnityOne 5000 — ga-b-ips 248.13 UnityOne 5000

SCCA Firewall Subnet 140.107.253.48/28 140.107.253.48 - 140.107.253.62 VLAN 260

SCCA Routing

Under normal conditions, traffic traverses ga-a-rtr; ga-b-rtr behaves as a hot-standby. EIGRP Hello 1, Hold-time 3 and HSRP standby timers 1 3. Static routes identify 140.107.252.20 as the gateway-of-last-resort.