IETF 85: Atlanta, GA

NOC Report
Network Overview

- 2x 1 Gb/s link to Comcast
- Networks 130.129.0.0/16 and 2001:df8::/32 advertised via AS# 56554
- Full gigabit infrastructure
- IETF network extended to Hilton guest rooms via 1Gb/s copper link
New on the IETF Network

• Implementing SIDR route origin checking using the Resource PKI
• Advertising new official address space: 31.130.224.0/20, 31.133.128.0/18, 2001:67c:1230::/46, 2001:67c:370::/48
• Having unofficial ROAs generated for the address space we're using. Hope to work with RIPE to generate an official ROA
External Traffic

Aggregate External Traffic (basic)

bits per second

Inbound from Comcast (RtrA)  Inbound from Comcast (RtrB)
Outbound to Comcast (RtrA)  Outbound to Comcast (RtrB)
External Traffic (cont.)

**rtra - Traffic - ge-0/1/0 - External Link**

- Outbound: Current: 1.98 M, Average: 1.26 M, Maximum: 17.65 M
- 95th Percentile: (40.42 mbit in+out)

**rtrb - Traffic - ge-0/1/0**

- Inbound: Current: 111.33 M, Average: 45.31 M, Maximum: 112.99 M
- Outbound: Current: 56.27 M, Average: 30.24 M, Maximum: 79.34 M
- 95th Percentile: (100.93 mbit in+out)
RPKI Statistics
Guestroom Usage

sw-core - Traffic - Gi2/0/1

- Outbound: Current: 17.42 M, Average: 40.94 M, Maximum: 93.51 M

95th Percentile: (81.7 mbit in+out)

Active MAC Addresses on Guest Room Network (grmac)

- MAC Addresses: Current: 400.77, Average: 616.36, Maximum: 922.97
Wireless Associations

Aggregate 802.11 2.4/5.0 Associations (bora)


- **802.11 5Ghz associations**
- **802.11 2.4Ghz associations**

Max associations: 1087
Current associations: 1019
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- Connectivity
- Gear Donation (Servers)

- Google
- Gear donation (Servers)

- Radiator
- Software Licenses

- Juniper
- Gear donation (Routers)

- Cisco
- Gear donation (APs/Switches)