

IETF 86: Orlando, FL

NOC Report



Network Overview

- 2 x 1 Gb/s link to Bright House Networks
- Legacy loaned space (production network) - 130.129.0.0/16 & 2001:df8::/32
- RIPE space (Bits & Bytes) – 31.130.239.0/24 & 2001:67ffc:1230:c000::/50
- IETF network extended to Caribe Royale guest rooms via 1Gb/s copper link



New on the IETF Network

- Cisco 1142 a/b/g/n WAP's.
 - Lower power requirements
 - Integrated antennas
 - Smaller form-factor
- Juniper MX80 routers
 - Increased performance
 - Provides Ethernet switching services

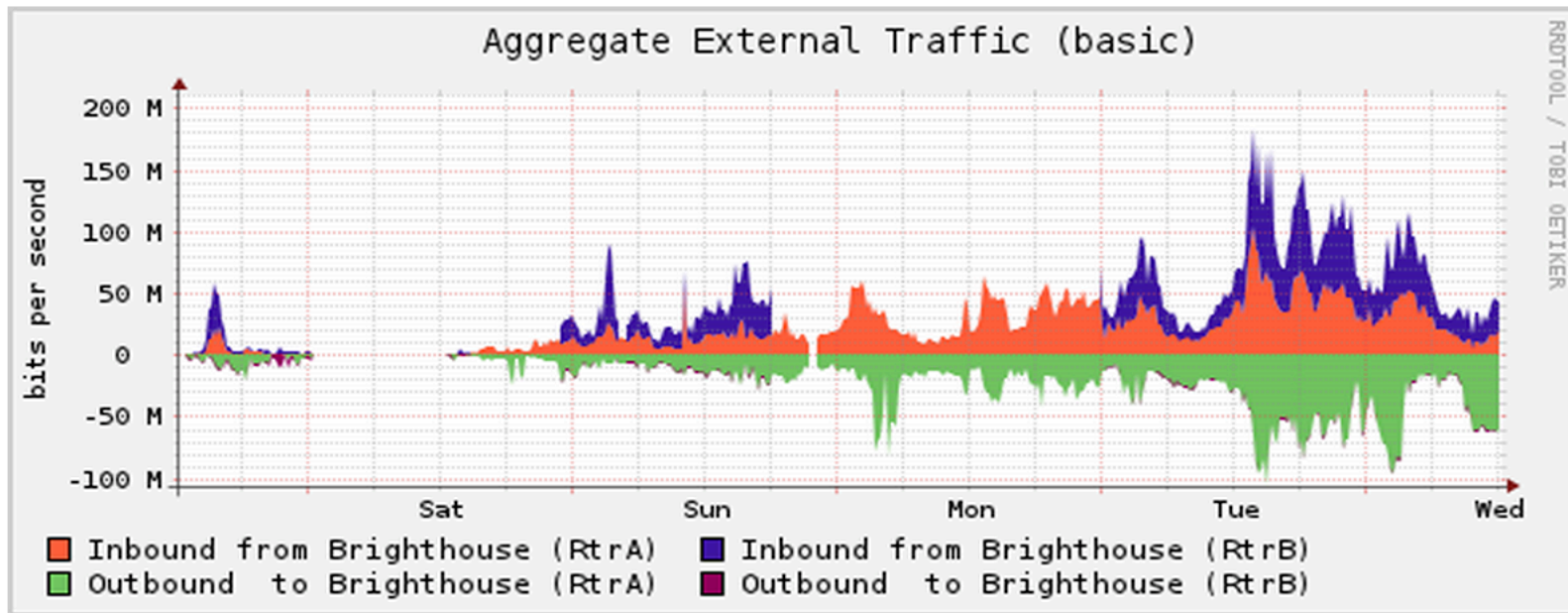


Hotel VLAN Solution

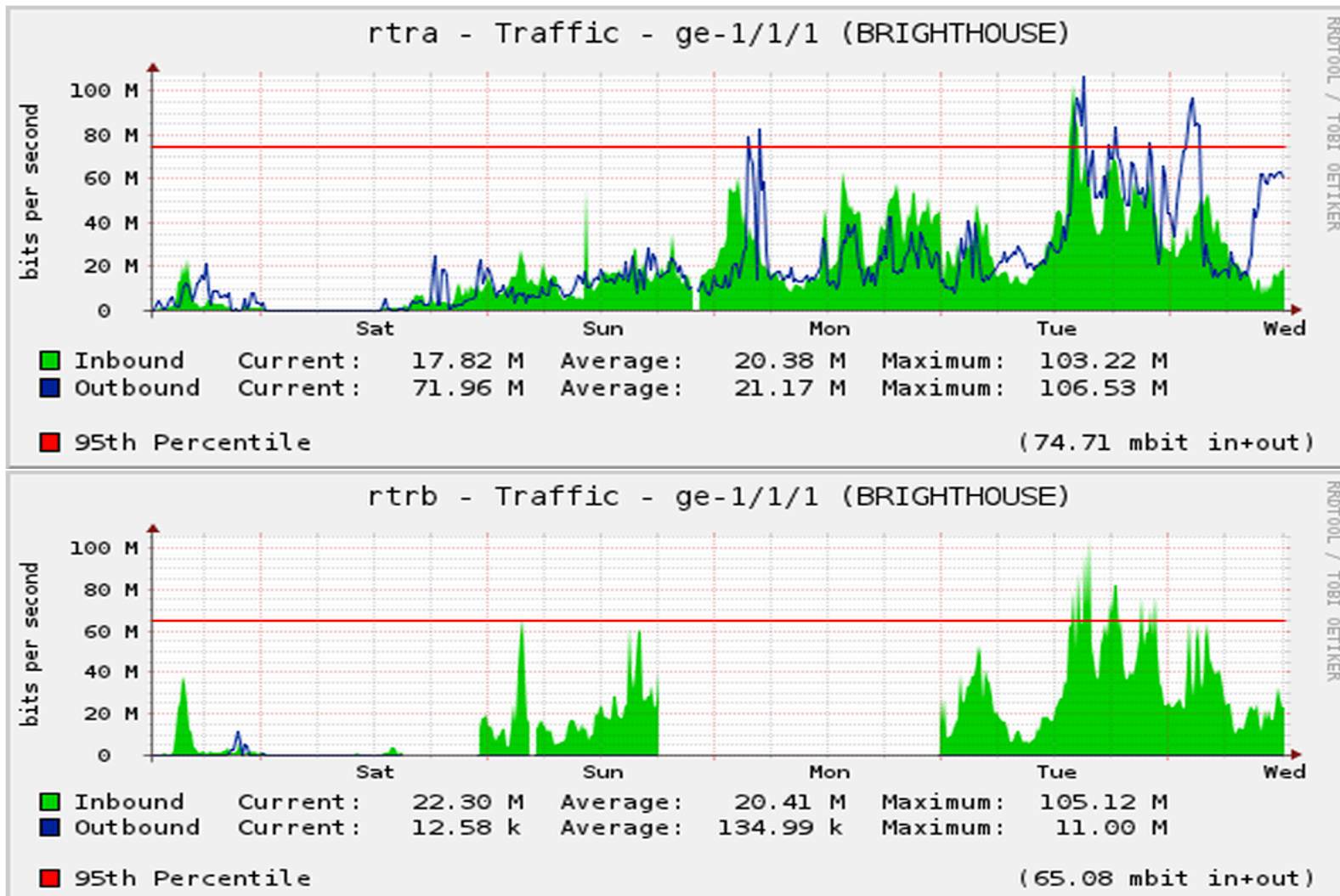
- Issue: Existing infrastructure configured with separate VLAN per Room
- Solution: Individual guest room VLANs bridged and aggregated at the core
- Functionality provided by Juniper MX-series



External Traffic



External Traffic (cont.)

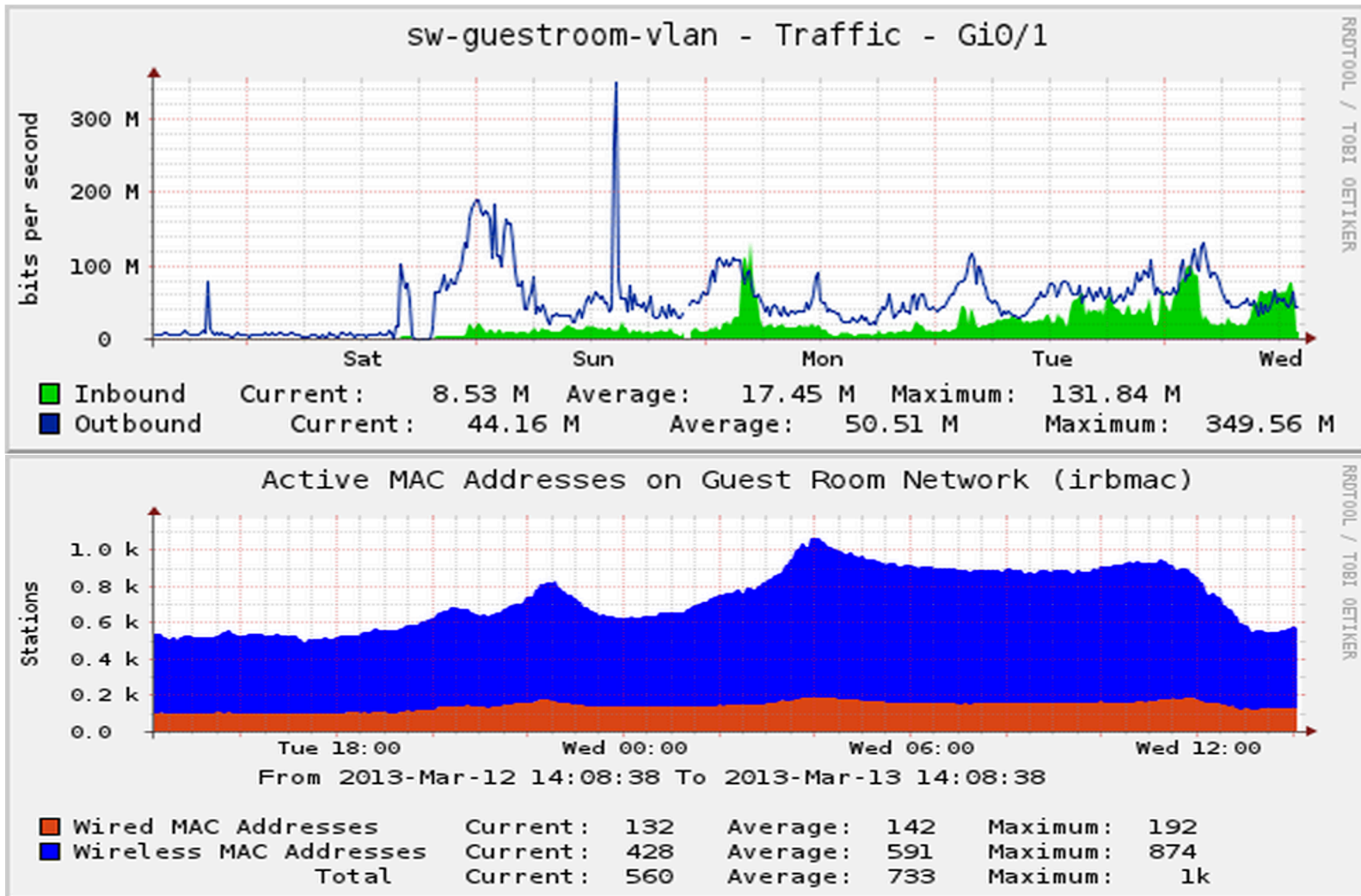


RPKI @ IETF86

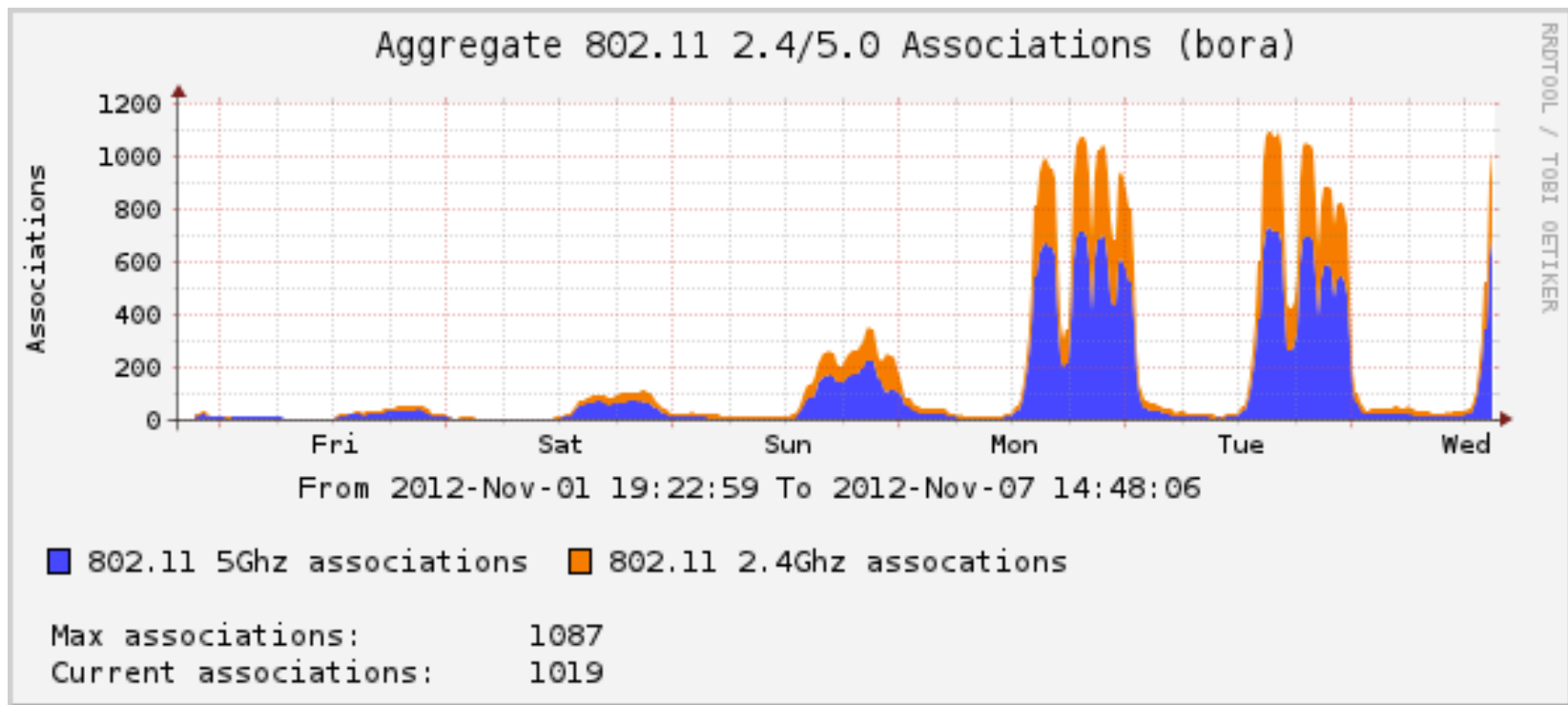
- Performing route origin validation
- Signed address space under test trust-anchor
- Experienced use-case scenario with upstream turn-up
 - LOA requirement caused turn-up delays
 - Ubiquitous RPKI deployment would help mitigate this type of issue



Guestroom Usage



Wireless Associations



A special thanks to...

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Jim Martin

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Karen O'Donoghue

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Lance Hollandsworth

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Giuliano (Juniper) for the
guest room solution



Thank You

- Bright House Networks
 - Connectivity
- Cisco
 - Gear contribution
- Juniper
 - Gear contribution
- OSC Radiator
 - Licensing

And our friends at the
Caribe Royale Hotel

