IETF 87: Berlin, Germany

NOC Report
Network Overview

- 2 x 1 Gb/s link to Deutsche Telekom
- Production network- 130.129.0.0/16 & 2001:df8::/32
- IETF network extended to hotel guest rooms and common areas (Intercontinental SSID and wired ports) via 1Gb/s copper link
External Traffic

Aggregate External Traffic (detailed)

- RtrA - Inbound from DTAG: Current 186M, Average 37M, Maximum 195M
- RtrB - Inbound from DTAG: Current 1k, Average 17M, Maximum 102M
- Total Inbound Traffic: Current 186M, Average 55M, Maximum 195M
- RtrA - Outbound to DTAG: Current 89M, Average 29M, Maximum 102M
- RtrB - Outbound to DTAG: Current 2M, Average 373k, Maximum 4M
- Total Outbound Traffic: Current 91M, Average 30M, Maximum 104M
External IPv6 Traffic

![Graph showing IPv6 traffic from 18:48:31 on 2013/07/27 to 12:09:31 on 2013/07/31. The graph indicates the following traffic rates:

- **Bits/s In**: Current: 8.42 M, Average: 4.88 M, Max: 24.42 M
- **Bits/s Out**: Current: 2.82 M, Average: 958.40 k, Max: 5.13 M]
Guestroom Usage

![Graph showing traffic usage from 2013/07/30 13:12:20 to 2013/07/31 13:12:20]

- **Inbound**: Current: 25.70 M, Average: 40.44 M, Maximum: 64.25 M
- **Outbound**: Current: 24.31 M, Average: 45.61 M, Maximum: 99.56 M
Wireless Associations

Aggregate 802.11 Associations (bora)

- Red Clients: Current: 555 Average: 198 Maximum: 626
- Blue/green Clients: Current: 348 Average: 137 Maximum: 395
- Total Clients: Current: 903 Average: 332 Maximum: 991

Wireless Associations (cont.)

![Graph showing IETF87 Aggregate Active Wireless Mac Addresses by VLAN from 2013/07/30 12:28:27 to 2013/07/31 12:28:27.](image)

- **Dot11Radio0Mgmt**: Current: 6, Average: 1, Maximum: 6
- **Dot11Radio1Mgmt**: Current: 4, Average: 4, Maximum: 9
- **Dot11Radio06only**: Current: 2, Average: 2, Maximum: 5
- **Dot11Radio16only**: Current: 2, Average: 2, Maximum: 5
- **Dot11Radio0Secure**: Current: 25, Average: 12, Maximum: 25
- **Dot11Radio1Secure**: Current: 19, Average: 9, Maximum: 27
- **Dot11Radio1SecureA0**: Current: 28, Average: 22, Maximum: 37
- **Dot11Radio0Edu**: Current: 23, Average: 18, Maximum: 38
- **Dot11Radio1Edu**: Current: 44, Average: 23, Maximum: 53
- **b/g Clients-Open**: Current: 292, Average: 110, Maximum: 321
- **a clients on open VLAN**: Current: 344, Average: 116, Maximum: 392
- **a clients on Open a-only VLAN**: Current: 105, Average: 42, Maximum: 125
- **Total**: Current: 894, Average: 319, Maximum: 975

Source: VERILAN®
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  - Connectivity
- Cisco
  - Gear contribution
- Juniper
  - Gear contribution
- OSC Radiator
  - Licensing

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