



IEEE 802 Plenary Session

Hyatt Regency Dallas

Mid-Session Network Services Report

November 11th, 2015

Summary

Verilan, Inc. is providing comprehensive network services for the IEEE 802 November 2015 Plenary session at the Hyatt Regency Reunion Hotel in Dallas, TX, USA. We are pleased to report that after a full infrastructure deployment, the network is fully operational, stable and supporting in excess of 1400 unique wireless devices (laptops, tablets, smartphones, etc.).

The Verilan Network Help Desk located in Trinity B is providing support for all attendees during scheduled meeting hours. All Help Desk client support requests have been addressed and fully resolved by the Verilan staff.

Verilan leveraged the site survey performed in 2013 of the Hyatt Regency Dallas Reunion meeting space LAN infrastructure to develop the custom network design used for this event. The hotel has a 1 Gb/s Internet circuit turned up to 400Mb/s provisioned by XO Communications. We contracted for 100Mbps of symmetrical uncapped bandwidth.

Comprehensive LAN and WLAN infrastructure including managed layer 3 switches were configured and deployed by Verilan in the MDF, IDFs and 27 meeting rooms located on the Lobby and Atrium Levels of the hotel. A total of four IDFs were cross-connected to the MDF via OM1 fiber.

Peak inbound Internet bandwidth recorded during this session to date is ~178 Mb/s. The 95th percentile sample inbound data rate measured over a 24-hour period is 90.39 Mb/s. The 95th percentile sample outbound data rate measured over a 24-hour period is 45.95 Mb/s.

Internet usage for the last 24-hour period is shown in Figure 1. Internet usage for the week is shown in Figure 2.

Network Issues

We are pleased to announce that this has been a trouble free deployment with no network issues being reported.

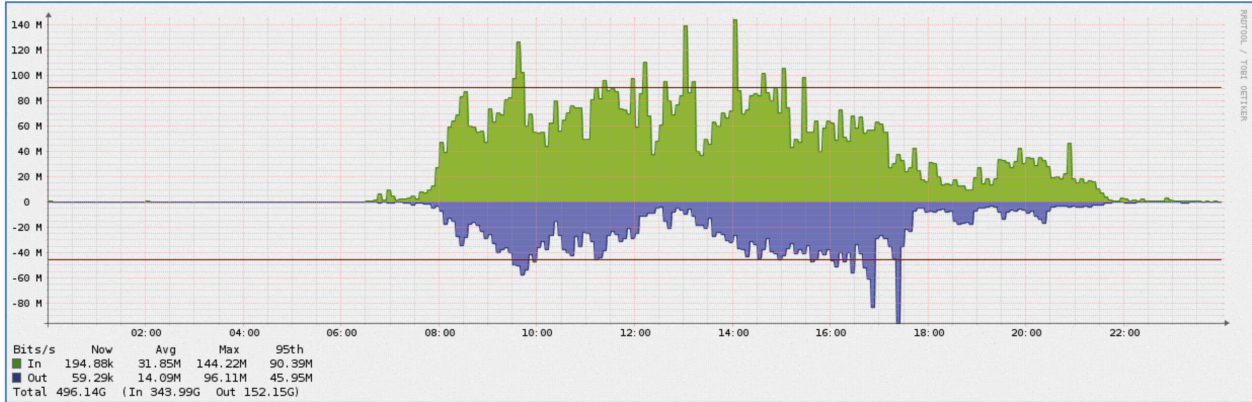


Figure 1. Internet Usage: 24 hour period (Tuesday, November 10, 2015)

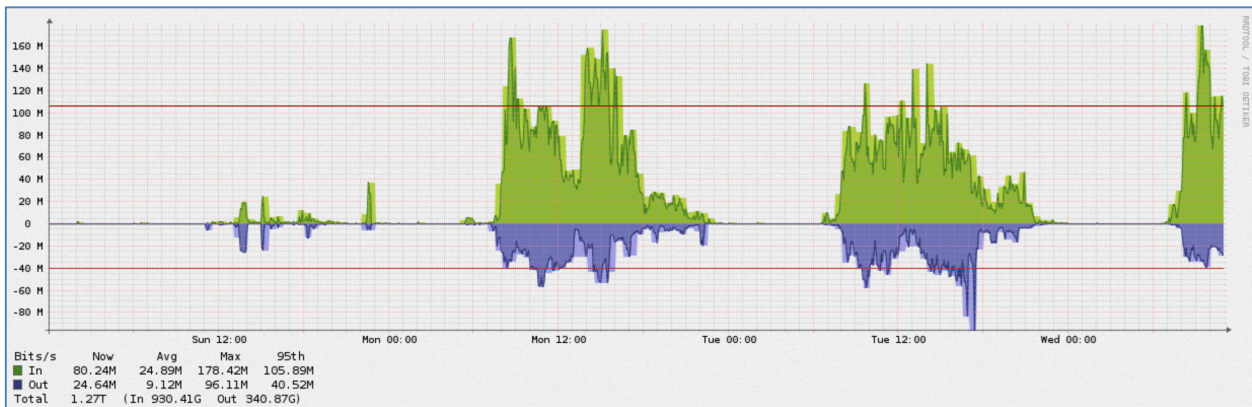


Figure 2. Internet Usage: Current week

Network Deployment & Coverage

Verilan deployed a full Gigabit Ethernet LAN and 50 enterprise grade tri-modal IEEE 802.11a/g/n wireless access points throughout the Hyatt Regency Dallas Reunion to provide coverage for all IEEE 802 meeting spaces. Verilan is providing a secure (WPA2-PSK) network for all registered attendees. The location of WAP deployments is shown in Figure 3.

Verilan also provided a separate wireless network, VLAN and address space to facilitate the continuation of the MAC address randomization experiment for IEEE 802 Privacy EC, which has also been run at IETF and NANOG meetings.

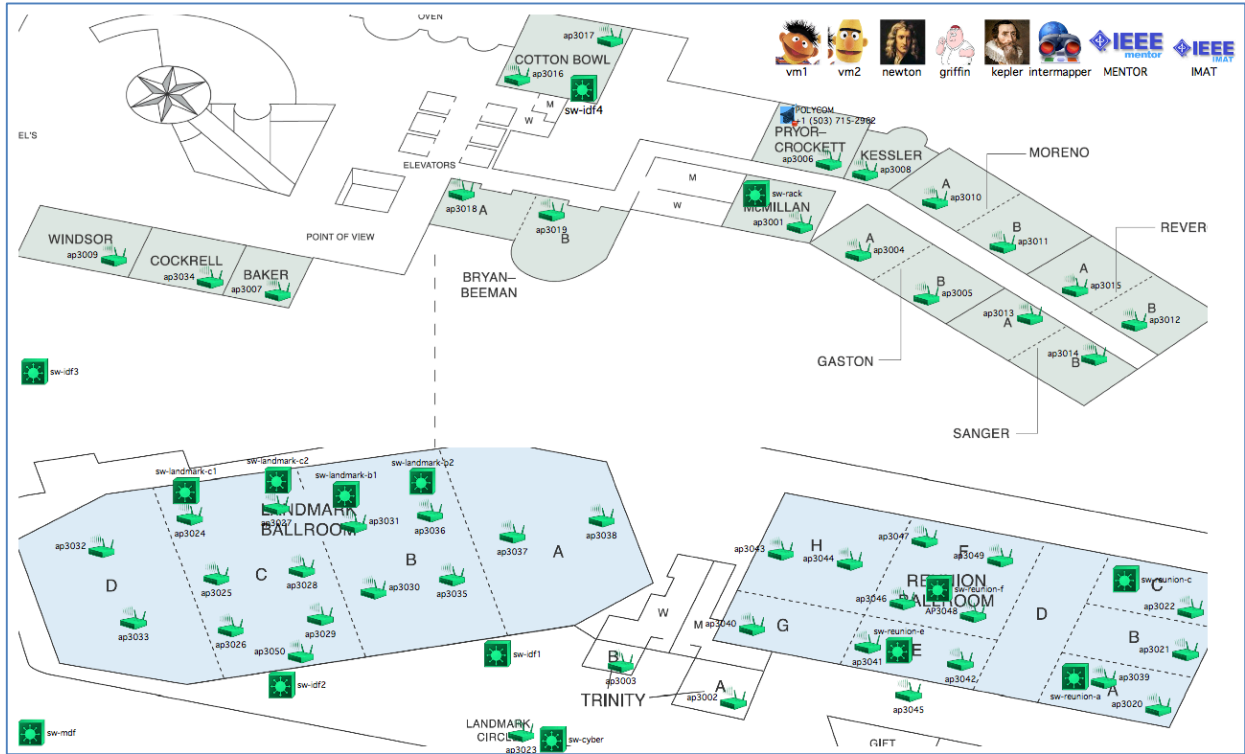


Figure 3. Wireless Access Point Deployment Plan