IEEE 802 Plenary Session

Grand Hyatt San Antonio Hotel
San Antonio, TX USA

Mid-Session Network Services Report

November 5th, 2014

Summary

Verilan, Inc. is providing comprehensive network services for the IEEE 802 November 2014 Plenary session at the Grand Hyatt San Antonio Hotel in San Antonio, TX.

We are pleased to report that after a full infrastructure deployment, the network is now fully operational and supporting in excess of 1600 unique wireless devices including, laptops, tablets, smartphones, at al.

The Verilan Network Help Desk, located in the Texas Ballroom Foyer on the 4th floor, is providing support for all attendees during all scheduled meeting hours. All Help Desk client support requests have been addressed and fully resolved by the Verilan staff.

Swisscom has provided access to a 200Mbps Internet circuit shared amongst the meeting rooms located on the 2nd, 3rd and 4th floors of the hotel.

Comprehensive LAN and WLAN infrastructure including managed layer 3 switches were configured and deployed in the MDF, IDFs and 34 meeting rooms located on the 2nd, 3rd & 4th floors of the hotel. A total of five IDFs were interconnected to the MDF via OM1 optical links.

Peak inbound Internet bandwidth recorded during this session is currently 119.09Mbps. The 95th percentile bandwidth utilization is currently 67.41Mbps. The average throughput inbound data rate measured over the past 24 period is 23.87Mbps. The average throughput outbound data rate measured over the past 24 period is 5.37Mbps. Internet usage for the last 24 hour period is shown in Figure 1. Internet usage for the last 48 hour period is shown in Figure 2. Internet usage from Sunday 11/2 to date is shown in Figure 3.
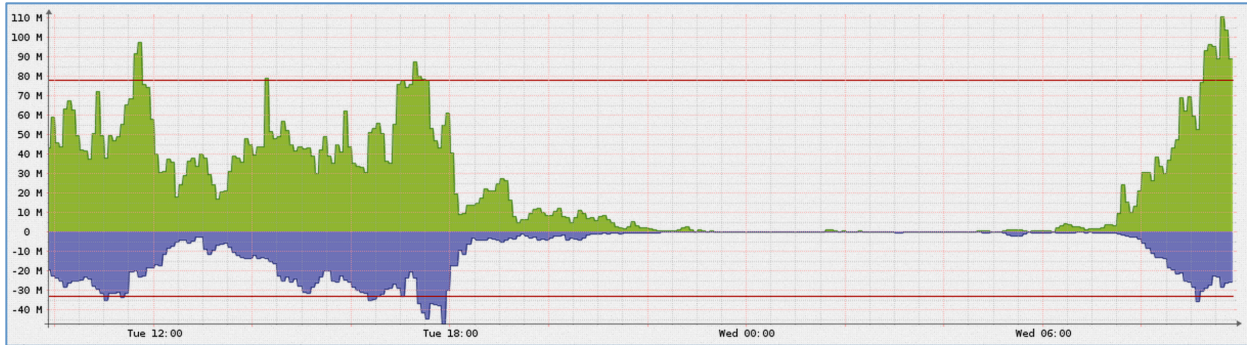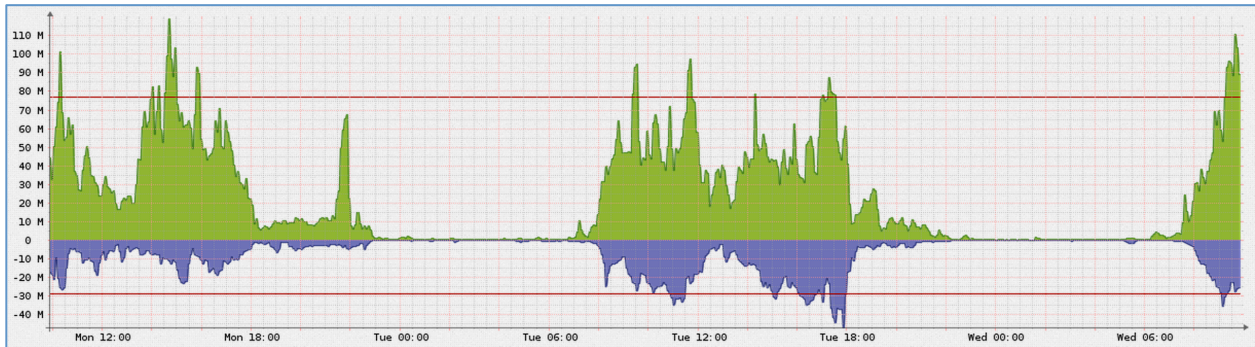
Figure 1. Internet Usage: 24 hour period

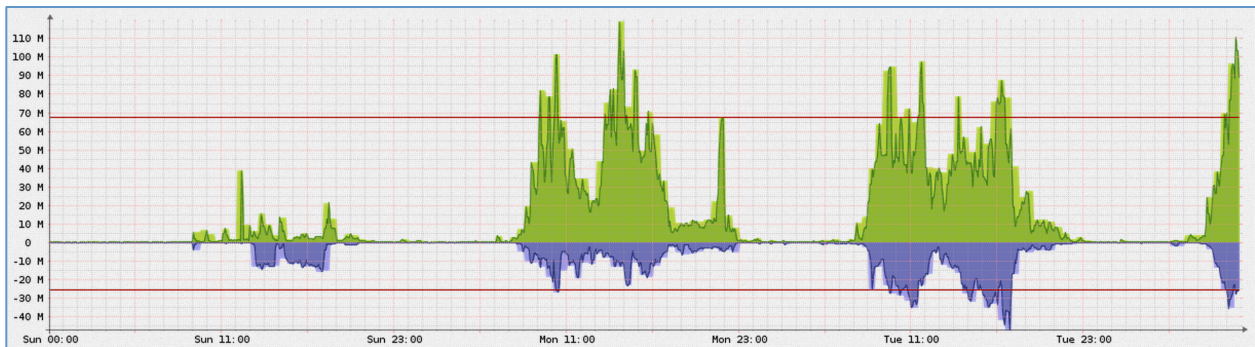**Figure 2. Internet Usage: 48 hour period**

Figure 3. Internet Usage: Sunday 11/2 to date

Network Issues

This has been a virtually trouble free deployment with no significant network issues being reported. We did however troubleshoot and identify multiple out of specification Cat5 cable runs exceeding 100 meters in length between IDF5 and data ports located in the Texas Ballrooms D, E & F on the 4th floor. The local service provider and hotel have been notified.

Network Deployment & Coverage

Verilan deployed a full Gigabit Ethernet LAN and 58 enterprise grade tri-modal IEEE 802.11a/g/n wireless access points throughout the Grand Hyatt San Antonio Hyatt Hotel to provide coverage for all IEEE 802 meeting spaces. Verilan is providing a Secure (WPA2-PSK) network for all registered attendees. Figure 4. Illustrates the location of the WAP deployments.
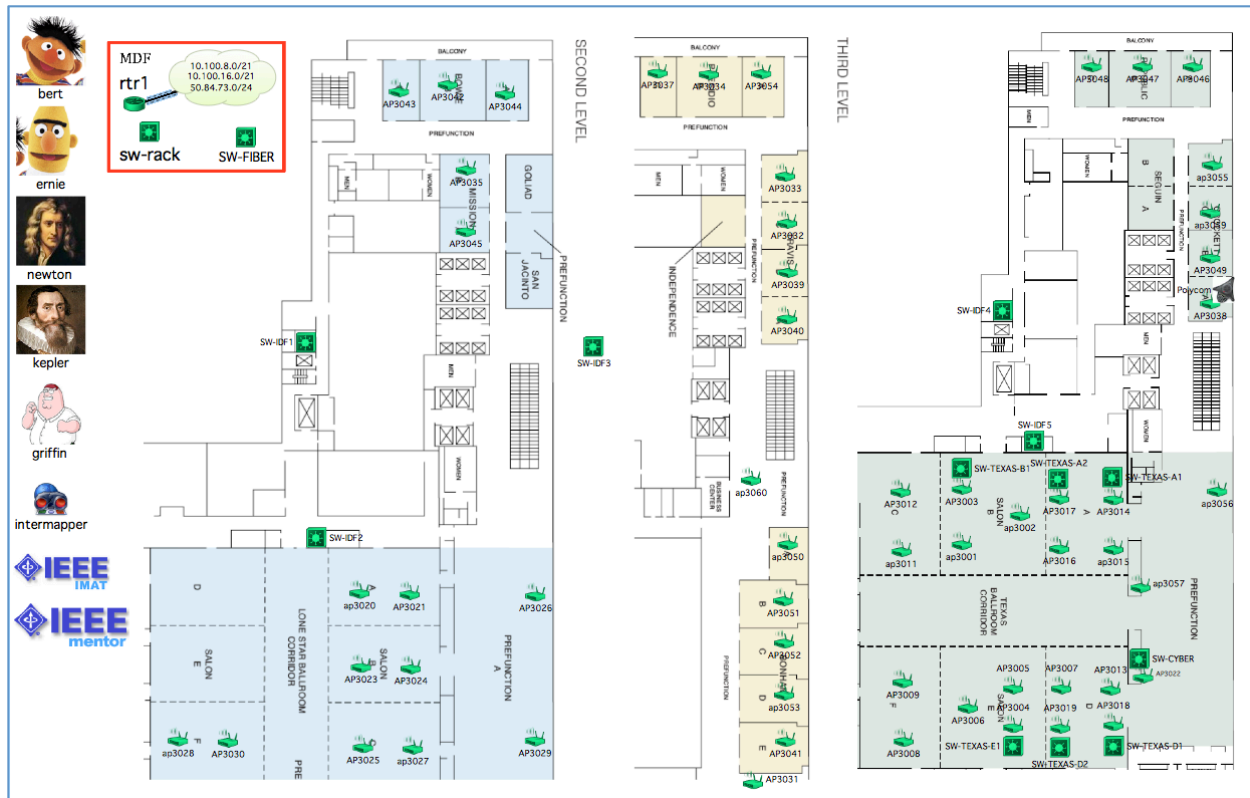

Figure 4. Wireless Access Point Deployment Plan