IEEE 802 Plenary Session

Hyatt Regency Atlanta, Atlanta, GA

Mid-Session Network Services Report

November 18th, 2009

Summary

VeriLAN Event Services, Inc. (VeriLAN) is providing comprehensive network services for the IEEE 802 November 2009 Plenary meeting at the Hyatt Regency Atlanta in Atlanta, GA. We are pleased to report that after a full infrastructure deployment, no issues have been reported. The network is stable and supporting in excess of 1300 unique wireless clients (laptops, smartphones, etc.)

> **Issue:** None.

> **Resolution:** not required.

The VeriLAN Network Help Desk is providing support for all attendees during scheduled meeting hours. All Help Desk support requests were addressed and fully resolved by VeriLAN staff.

The property is fed by a 100Mbps optical Ethernet connection to the Internet capped at 40Mbps. We were given unrestricted access to the bandwidth, which is shared with the guest rooms and administrative offices. Comprehensive LAN and WLAN infrastructure including managed layer 3 switches were configured and deployed in the MDF, IDFs and meeting rooms located on three convention floors and one guest-room floor. A total of nine IDF's were interconnected to the MDF via optical links, with one IDF using a copper line. Network traffic statistics are shown in Figure 1. Internet usage for the last 24 hour period is shown in Figure 2. Internet usage for the last seven days is shown in Figure 3. Internet usage for the last twelve months is shown in Figure 4. The number of IEEE 802.11a and IEEE 802.11b/g radio associations over the past 24 hours is shown in Figure 5.

Traffic statistics - Wed Nov 18 13:09:00 2009

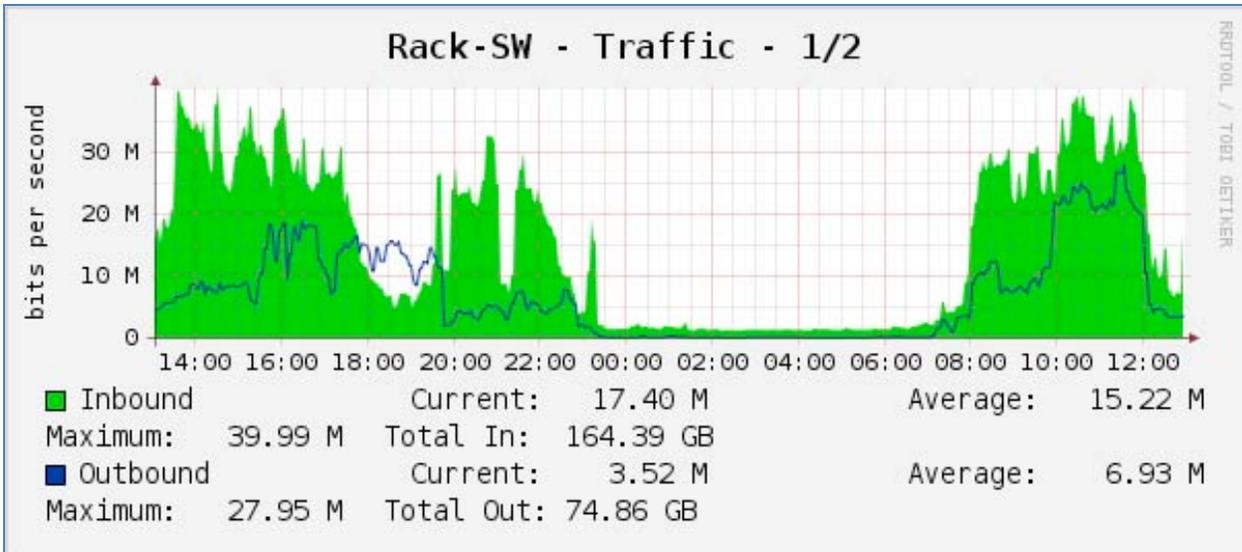| Interface	Period	Direction	Current rate	Hour	Day	Week	Month
EXTERNAL	Current	In	0.0 bit/s	1.6 GB	57.7 GB	341.3 GB	384.5 GB
		Out	0.0 bit/s	472.7 MB	29.7 GB	101.5 GB	102.9 GB
	Previous	In		7.6 GB	150.0 GB	32.1 GB	0.0 KB
		Out		3.7 GB	52.2 GB	1.1 GB	0.0 KB
MANAGEMENT	Current	In	0.0 bit/s	29.1 MB	4.0 GB	31.9 GB	33.0 GB
		Out	0.0 bit/s	58.7 MB	4.2 GB	54.1 GB	94.2 GB
	Previous	In		338.8 MB	25.0 GB	849.7 MB	0.0 KB
		Out		523.9 MB	21.5 GB	29.0 GB	0.0 KB
open	Current	In	0.0 bit/s	442.1 MB	25.5 GB	69.0 GB	69.2 GB
		Out	0.0 bit/s	1.5 GB	51.3 GB	272.7 GB	274.2 GB
	Previous	In		3.4 GB	26.9 GB	167.8 MB	0.0 KB
		Out		6.8 GB	122.7 GB	1.4 GB	0.0 KB
secure	Current	In	0.0 bit/s	1.9 MB	151.0 MB	1010.0 MB	1.2 GB
		Out	0.0 bit/s	56.7 MB	2.2 GB	14.4 GB	16.1 GB
	Previous	In		21.8 MB	465.4 MB	117.7 MB	0.0 KB
		Out		345.5 MB	5.7 GB	1.7 GB	0.0 KB

Figure 1. Internet Traffic Statistics

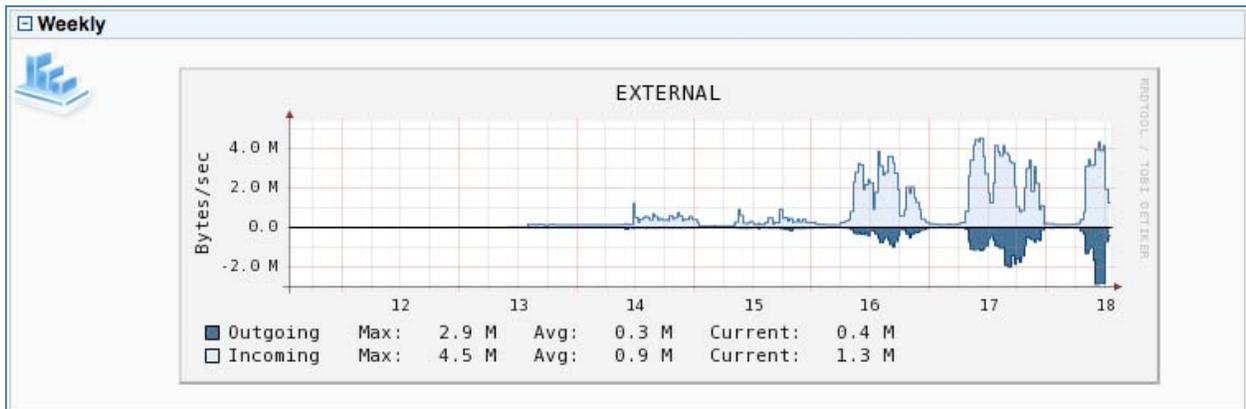**Figure 2. Internet Usage: past 24 hours (EST)**

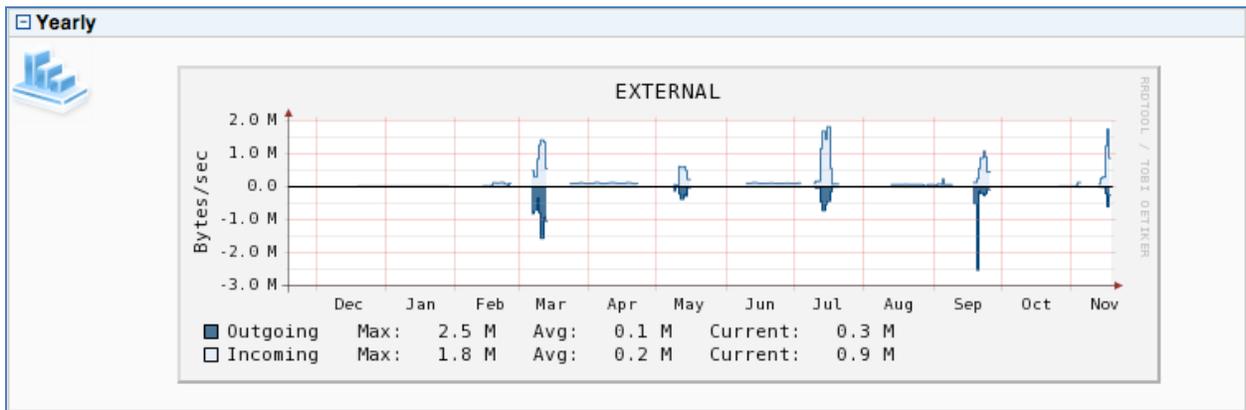**Figure 3. Internet Usage: past 7 days**

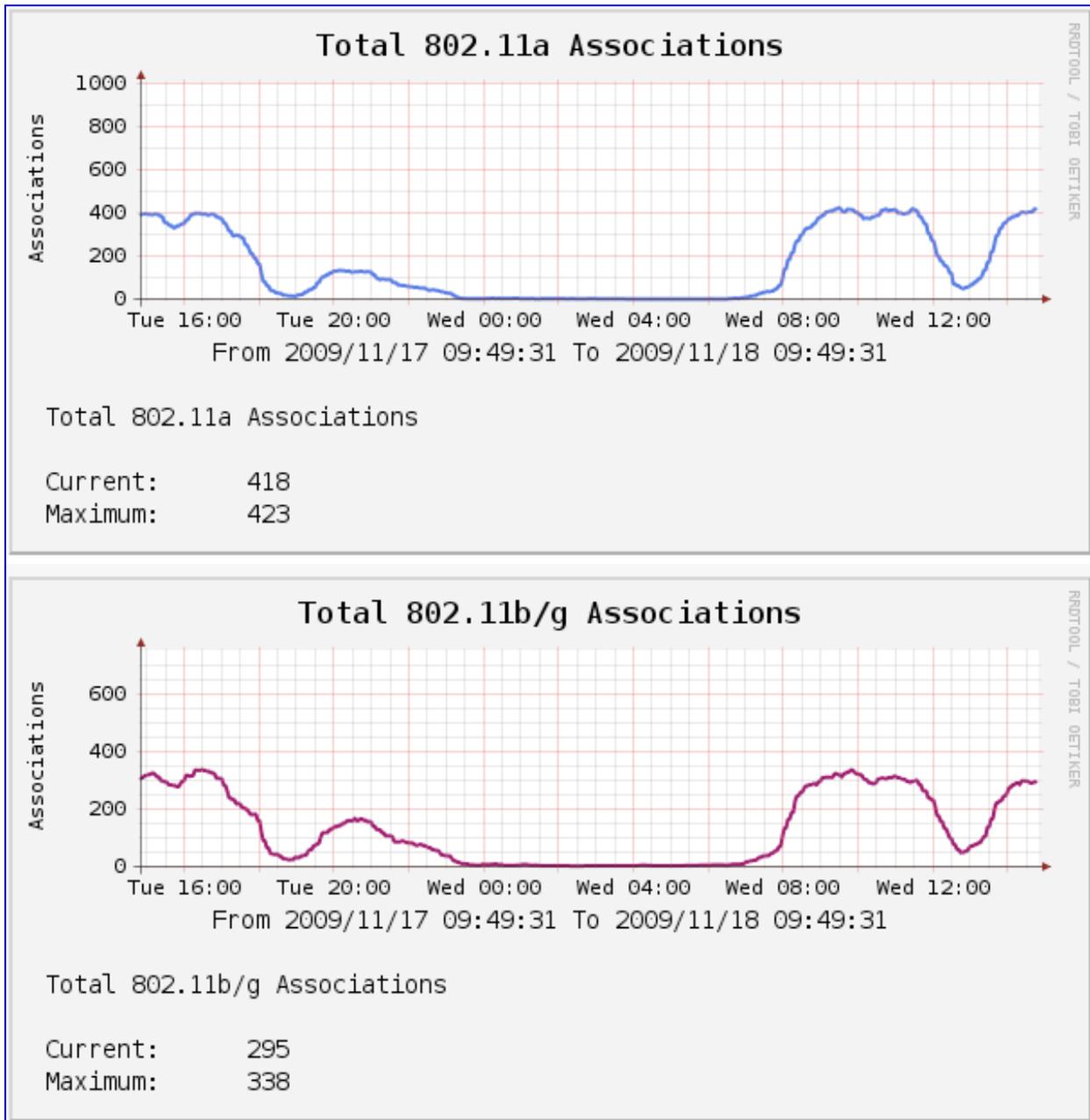**Figure 4. Internet Usage: past 12 months**

Figure 5. Number of IEEE 802.11a and IEEE 802.11b/g radio associations: past 24 hours (EST)

Network Deployment & Coverage

VeriLAN deployed 65 enterprise grade tri-modal IEEE 802.11a/b/g wireless access points throughout the Hyatt Regency Atlanta to provide coverage for all meeting spaces. VeriLAN is providing both Open and Secure (802.1x) networks to registered attendees. Figure 6. illustrates the location of the WAP deployments.
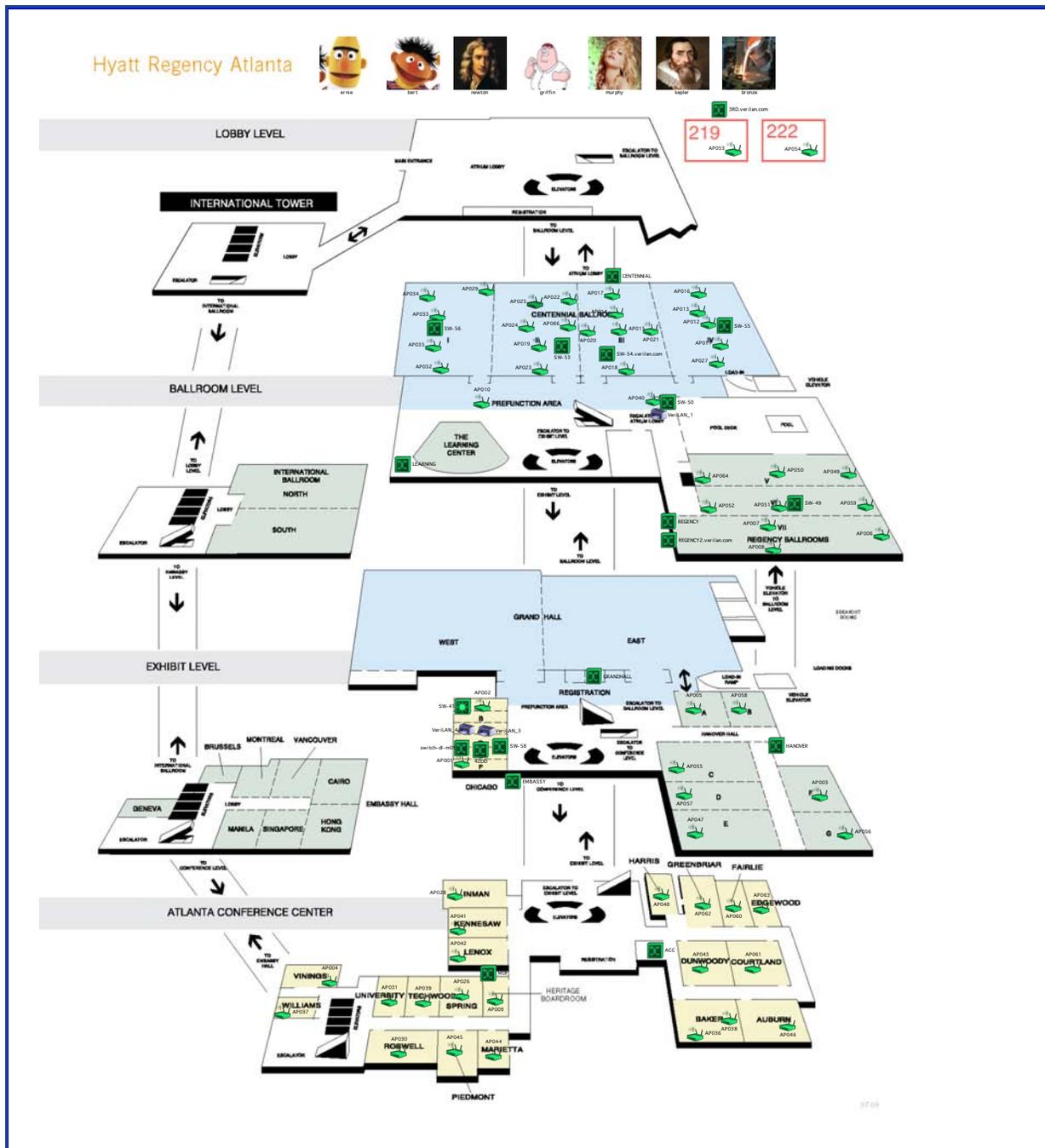

Figure 6. Wireless Access Point Deployment Plan