



## **IEEE 802 Plenary Session**

Caribe Royale All Suites Hotel and Convention Center, Orlando, FL

## **Mid-Session Network Services Report**

March 16<sup>th</sup>, 2010

### **Summary**

VeriLAN Event Services, Inc. (VeriLAN) is providing comprehensive network services for the IEEE 802 March 2010 Plenary meeting at the Caribe Royale All Suites Hotel and Convention Center in Orlando, FL. 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 1000 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 45Mbps symmetrical DS3 connection to the Internet. 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, IDF's and 42 meeting rooms located in the convention center. A total of seven 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 - Tue Mar 16 06:14:00 2010**

Interface	Period	Direction	Current rate	Hour	Day	Week	Month
EXTERNAL	Current	In	19.2 Mbits/s	2.5 GB	18.1 GB	181.8 GB	189.5 GB
		Out	12.1 Mbits/s	1.1 GB	6.7 GB	64.8 GB	65.1 GB
	Previous	In		10.7 GB	127.4 GB	37.9 GB	0.0 KB
		Out		4.0 GB	49.8 GB	1.2 GB	0.0 KB
MANAGEMENT	Current	In	2.2 Mbits/s	226.9 MB	2.7 GB	25.9 GB	26.1 GB
		Out	2.5 Mbits/s	215.1 MB	4.1 GB	57.4 GB	65.1 GB
	Previous	In		1.7 GB	16.5 GB	918.3 MB	0.0 KB
		Out		933.2 MB	21.6 GB	36.8 GB	0.0 KB
open	Current	In	9.9 Mbits/s	945.5 MB	4.0 GB	38.6 GB	38.6 GB
		Out		2.2 GB	13.5 GB	121.5 GB	121.5 GB
	Previous	In		2.3 GB	33.1 GB	146.8 MB	0.0 KB
		Out		9.4 GB	103.8 GB	988.1 MB	0.0 KB
secure	Current	In	51.9 Kbits/s	7.6 MB	46.5 MB	575.1 MB	575.7 MB
		Out	384.4 Kbits/s	63.9 MB	440.1 MB	2.8 GB	2.9 GB
	Previous	In		37.1 MB	442.6 MB	214.7 MB	0.0 KB
		Out		367.9 MB	2.0 GB	166.3 MB	0.0 KB

Figure 1. Internet Traffic Statistics

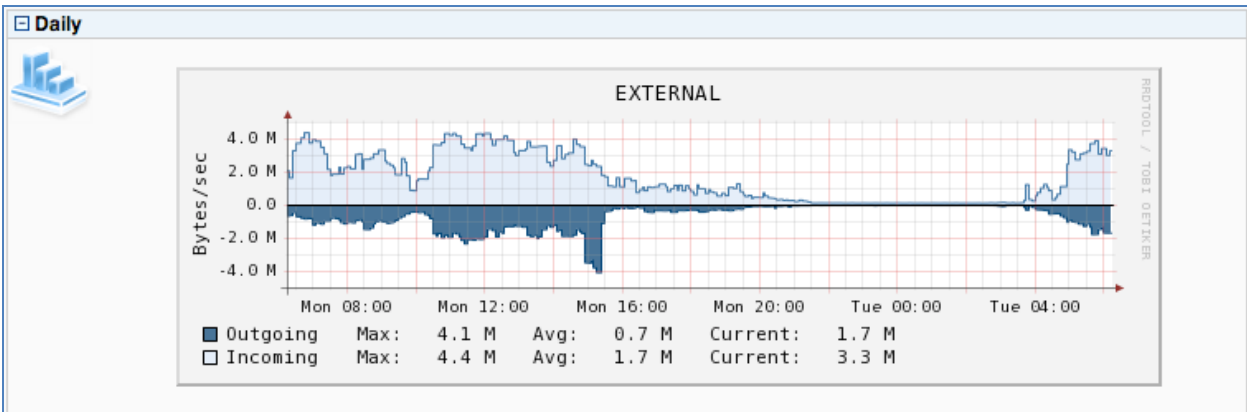


Figure 2. Internet Usage: past 24 hours (EST)

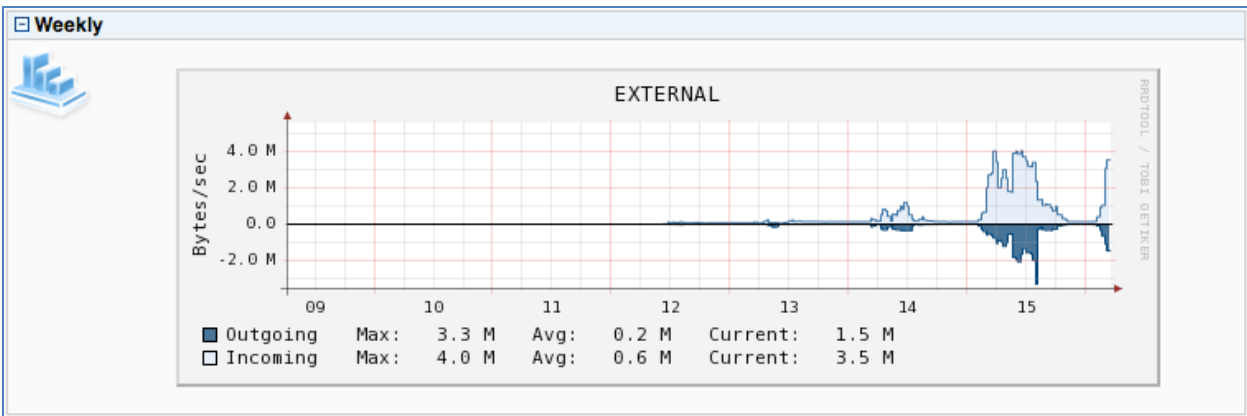


Figure 3. Internet Usage: past 7 days

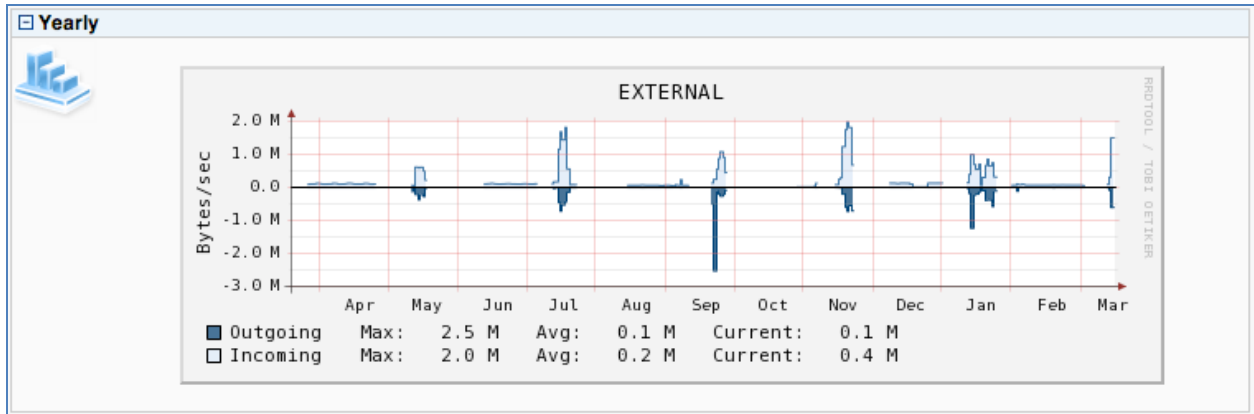


Figure 4. Internet Usage: past 12 months

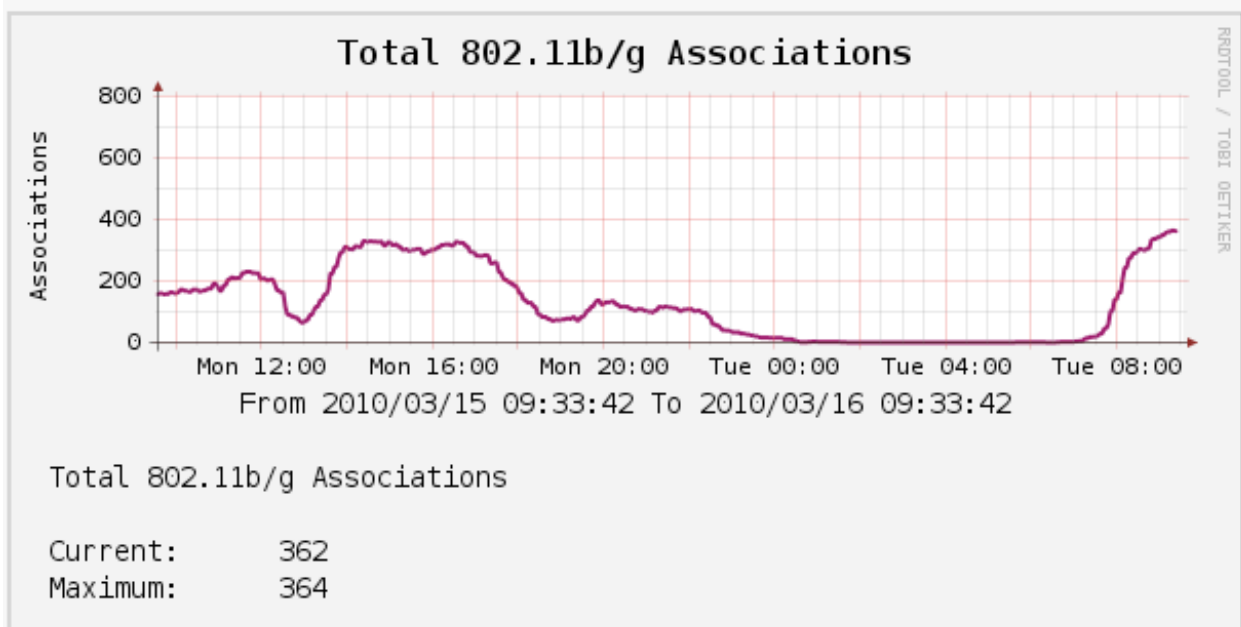
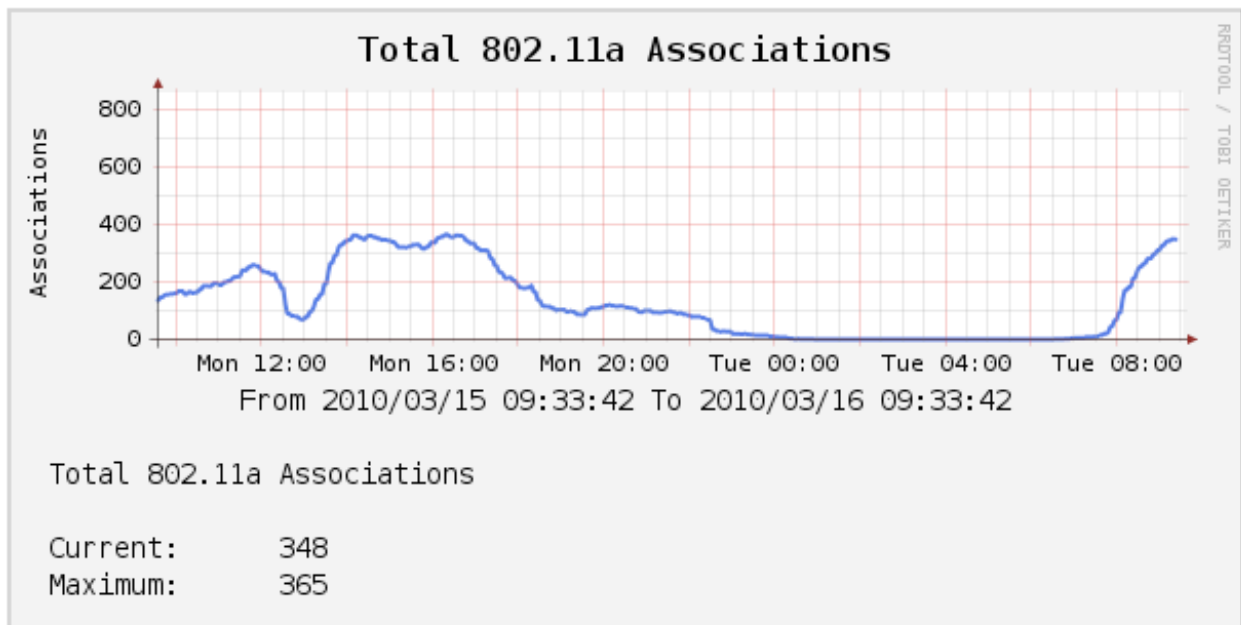


Figure 5. Number of IEEE 802.11a and IEEE 802.11b/g radio associations: past 24 hours (EST)



## Network Deployment & Coverage

VeriLAN deployed 70 enterprise grade tri-modal IEEE 802.11a/b/g wireless access points throughout the Caribe Royal All Suites Hotel and Convention Center 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.

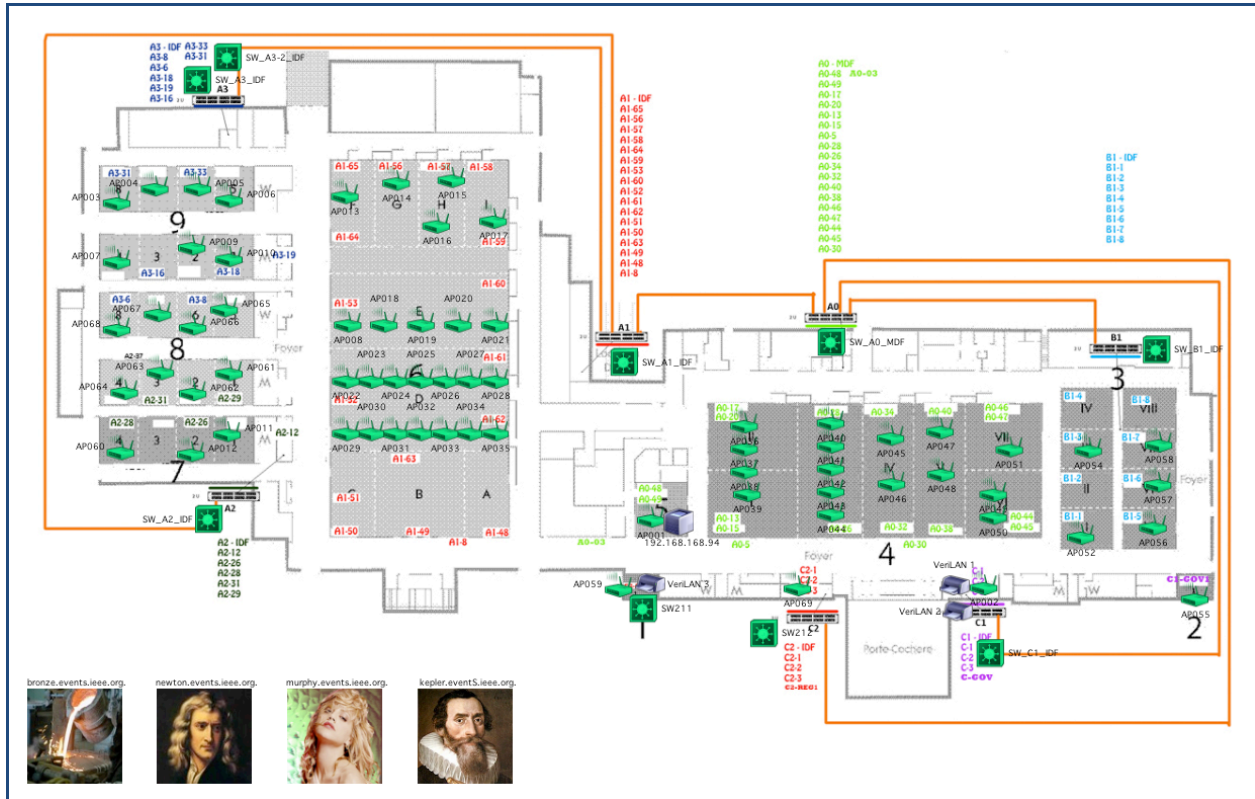


Figure 6. Wireless Access Point Deployment Plan