IEEE 802 Plenary Session

Hyatt Regency Dallas Reunion, Dallas, TX

Mid-Session Network Services Report

November 10th, 2010

Summary

Verilan, Inc. is providing comprehensive network services for the IEEE 802 November 2010 Plenary meeting at the Hyatt Regency Dallas Reunion Hotel in Dallas, TX. We are pleased to report that after a full infrastructure deployment, one minor issue has been identified and resolved. The network is stable and supporting in excess of 900 unique wireless clients (laptops, smartphones, etc.)

Issue: Rogue DHCP server issuing non-functional IP addresses to meeting attendees.

Resolution: Verilan's NOC team detected the MAC address of the rogue DHCP server and blocked it from accessing the network. Problem resolved.

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

The property is fed by a 45Mbps symmetrical DS3 connection to the Internet. We were given full 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 33 meeting rooms located in the hotel. A total of four IDF's were interconnected to the MDF via optical links. 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.

Traffic statistics - Wed Nov 10 11:06:00 2010

Interface	Period	Direction	Current rate	Hour	Day	Week	Month
EXTERNAL	Current	In	28.3 Mbits/s	207.1 MB	37.3 GB	308.8 GB	315.9 GB
		Out	4.8 Mbits/s	35.2 MB	7.0 GB	68.0 GB	69.7 GB
	Previous	In		13.3 GB	138.7 GB	7.1 GB	0.0 KB
		Out		2.1 GB	35.8 GB	1.6 GB	0.0 KB
MANAGEMENT	Current	In	113.1 Kbits/s	846.0 KB	610.6 MB	3.9 GB	4.8 GB
		Out	279.4 Kbits/s	2.0 MB	2.6 GB	18.4 GB	23.7 GB
	Previous	In		98.7 MB	1.7 GB	936.3 MB	0.0 KB
		Out		1.0 GB	8.4 GB	5.3 GB	0.0 KB
open	Current	In	4.7 Mbits/s	34.1 MB	6.3 GB	61.9 GB	62.1 GB
		Out	27.8 Mbits/s	203.3 MB	34.1 GB	280.3 GB	280.9 GB
	Previous	In		2.0 GB	33.5 GB	142.1 MB	0.0 KB
		Out		12.2 GB	126.8 GB	706.2 MB	0.0 KB
secure	Current	In	49.1 Kbits/s	367.0 KB	101.9 MB	2.6 GB	3.2 GB
		Out	222.1 Kbits/s	1.6 MB	580.1 MB	9.1 GB	9.6 GB
	Previous	In		35.8 MB	770.6 MB	618.1 MB	0.0 KB
		Out		134.6 MB	3.2 GB	468.5 MB	0.0 KB

Figure 1. Internet Traffic Statistics

Daily

EXTERNAL

Outgoing	Max:	1.6 M	Avg:	0.4 M	Current:	1.1 M
Incoming	Max:	4.5 M	Avg:	1.7 M	Current:	4.1 M
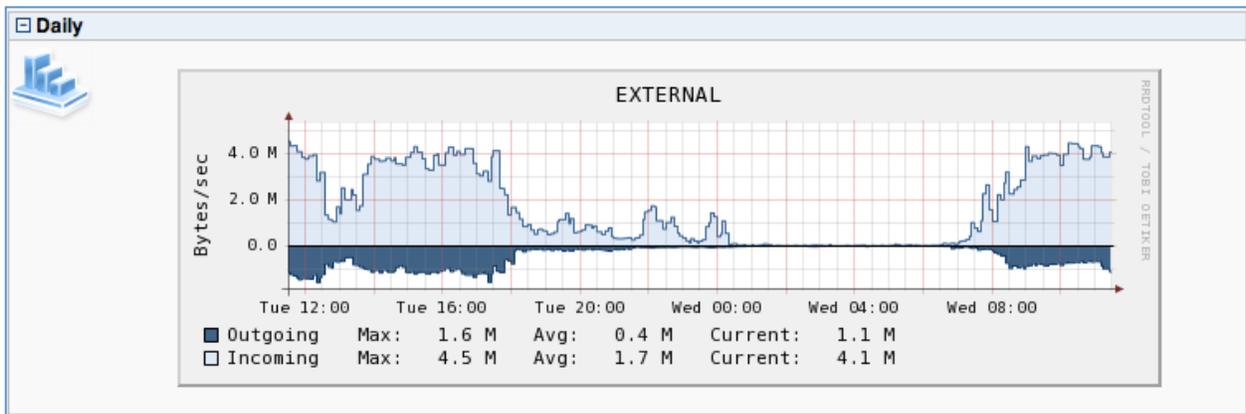
Figure 2. Internet Usage: past 24 hours (CST)

Weekly

EXTERNAL

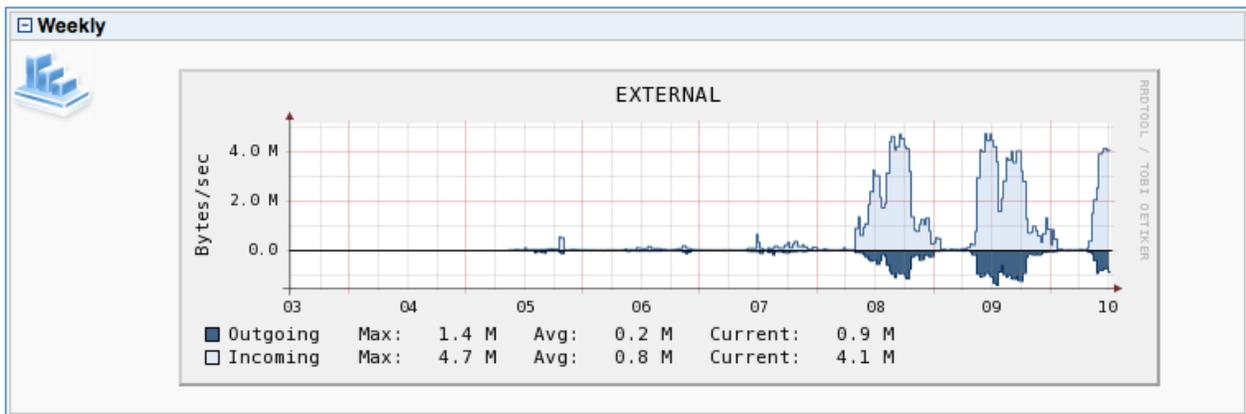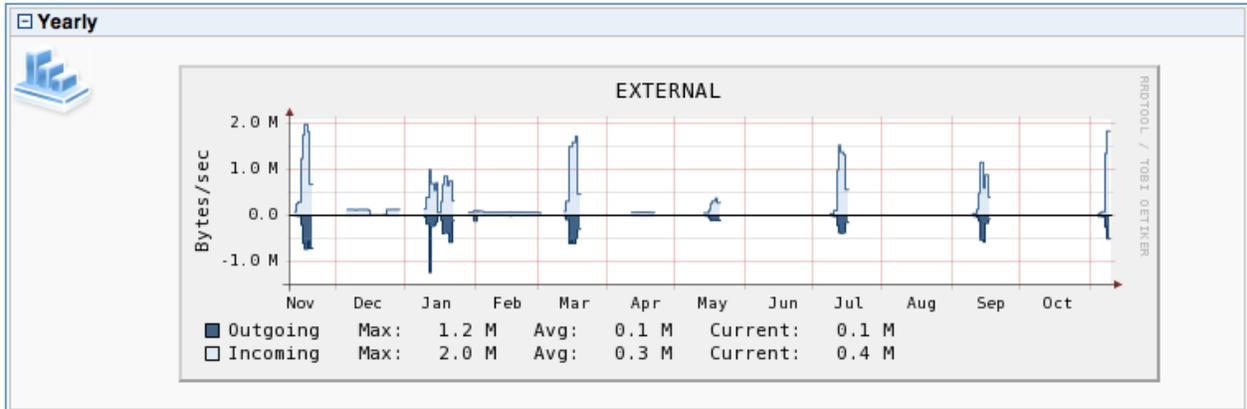|				
Outgoing	Max:	1.4 M	Avg:	0.2 M	Current:	0.9 M
Incoming	Max:	4.7 M	Avg:	0.8 M	Current:	4.1 M

Figure 3. Internet Usage: past 7 days

Figure 4. Internet Usage: past 12 months

Network Deployment & Coverage

Verilan deployed 56 enterprise grade tri-modal IEEE 802.11a/b/g wireless access points throughout the Hyatt Regency Dallas Reunion Hotel to provide coverage for all meeting spaces. Verilan is providing both Open and Secure (802.1x) networks to registered attendees. Figure 5. illustrates the location of the WAP deployments.

Figure 5. Wireless Access Point Deployment Plan