IEEE 802 Plenary Session

Hyatt Regency Denver Convention Center, Denver, CO

Mid-Session Network Services Report

July 15, 2008

Summary

VeriLAN Event Services, Inc. (VeriLAN) is providing comprehensive network services for the IEEE 802 July 2008 Plenary meeting at the Hyatt Regency Denver Convention Center located in Denver, CO. We are pleased to report that after resolving minimal issues with the onsite infrastructure, the network is stable and supporting in excess of 1450 wireless clients.

> **Issue:** The Newton and Griffin servers (which our monitoring tools live on) went off-line at approximately 12:42 Tuesday afternoon. All log messages stopped and the servers were unresponsive on console.

> **Resolution:** Servers were rebooted and brought back online by 13:07.

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. The shared Internet bandwidth was provided at no charge to IEEE guest rooms over the hotel's wired and wireless network. 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 2. Internet usage for the last twelve months is shown in Figure 4.

Traffic statistics - Tue Jul 15 11:09:08 2008

Interface	Period	Direction	Current rate	Hour	Day	Week	Month
LAN-SECURE (3)	Current	In	60.9 Kbits/s	4.6 MB	131.8 MB	333.3 MB	337.8 MB
		Out	349.8 Kbits/s	18.0 MB	627.9 MB	1.5 GB	1.5 GB
	Previous	In		33.3 MB	185.0 MB	4.5 MB	0.0 KB
		Out		169.4 MB	889.7 MB	1.2 MB	0.0 KB
Manage	Current	In	380.6 Kbits/s	26.7 MB	332.0 MB	58.4 GB	72.9 GB
		Out	669.1 Kbits/s	25.8 MB	2.8 GB	21.2 GB	28.9 GB
	Previous	In		103.0 MB	44.9 GB	14.4 GB	0.0 KB
		Out		417.1 MB	12.0 GB	7.7 GB	0.0 KB
OPEN	Current	In	5.0 Mbits/s	328.6 MB	7.2 GB	24.9 GB	25.1 GB
		Out	23.3 Mbits/s	1.5 GB	29.9 GB	97.6 GB	98.0 GB
	Previous	In		2.4 GB	15.6 GB	187.1 MB	0.0 KB
		Out		8.9 GB	66.2 GB	403.9 MB	0.0 KB
WAN	Current	In	24.3 Mbits/s	1.5 GB	33.3 GB	120.2 GB	128.3 GB
		Out	5.4 Mbits/s	356.6 MB	7.6 GB	83.4 GB	98.0 GB
	Previous	In		9.4 GB	79.1 GB	8.1 GB	0.0 KB
		Out		2.5 GB	60.6 GB	14.6 GB	0.0 KB

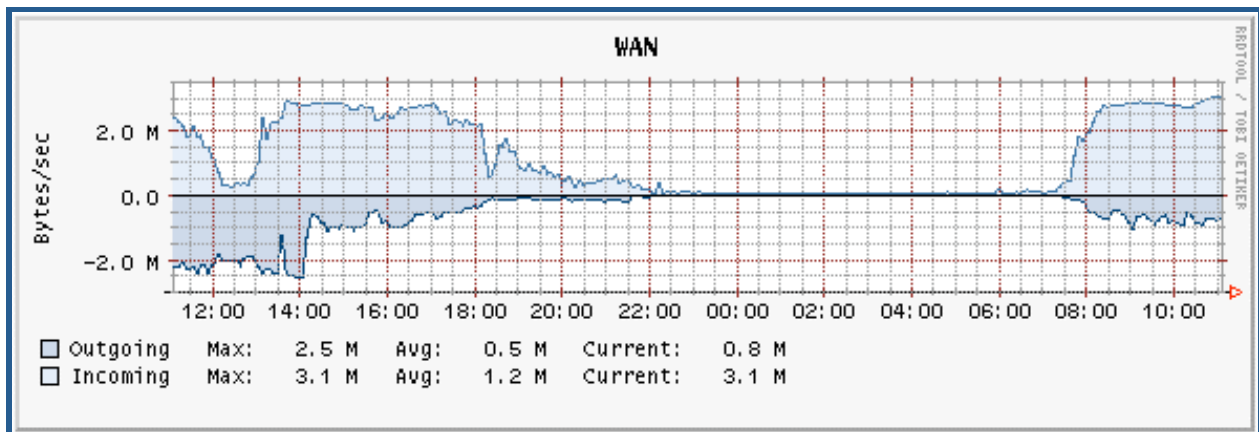**Figure 1. Internet Traffic Statistics**

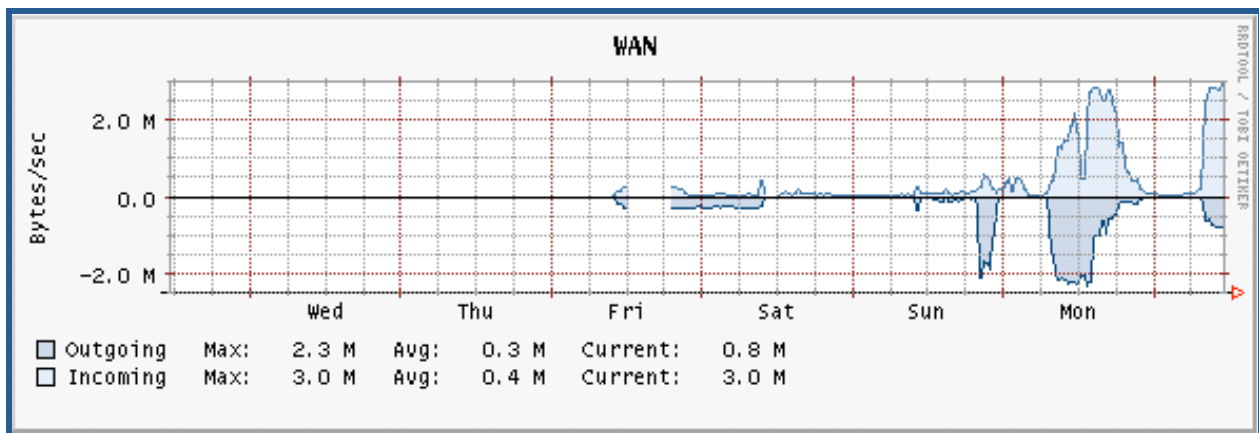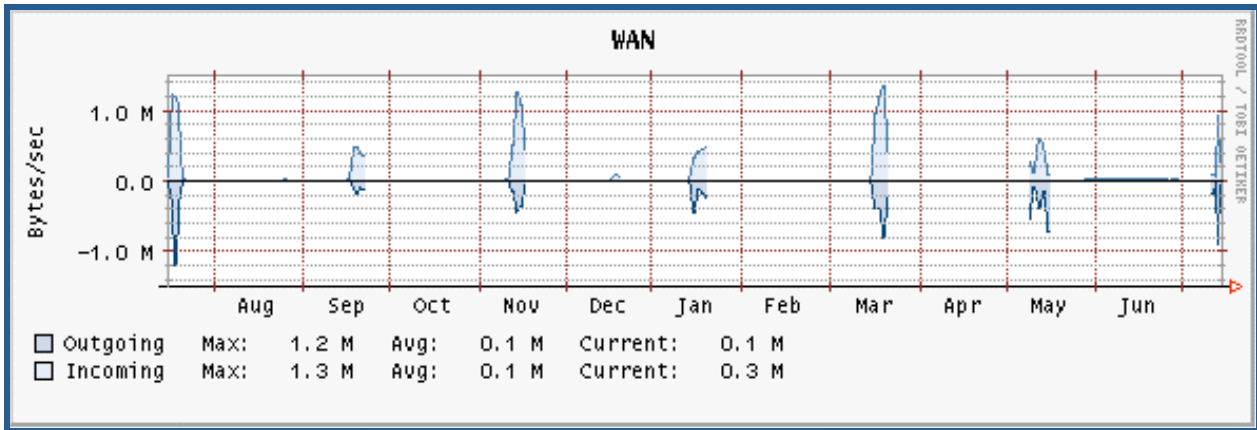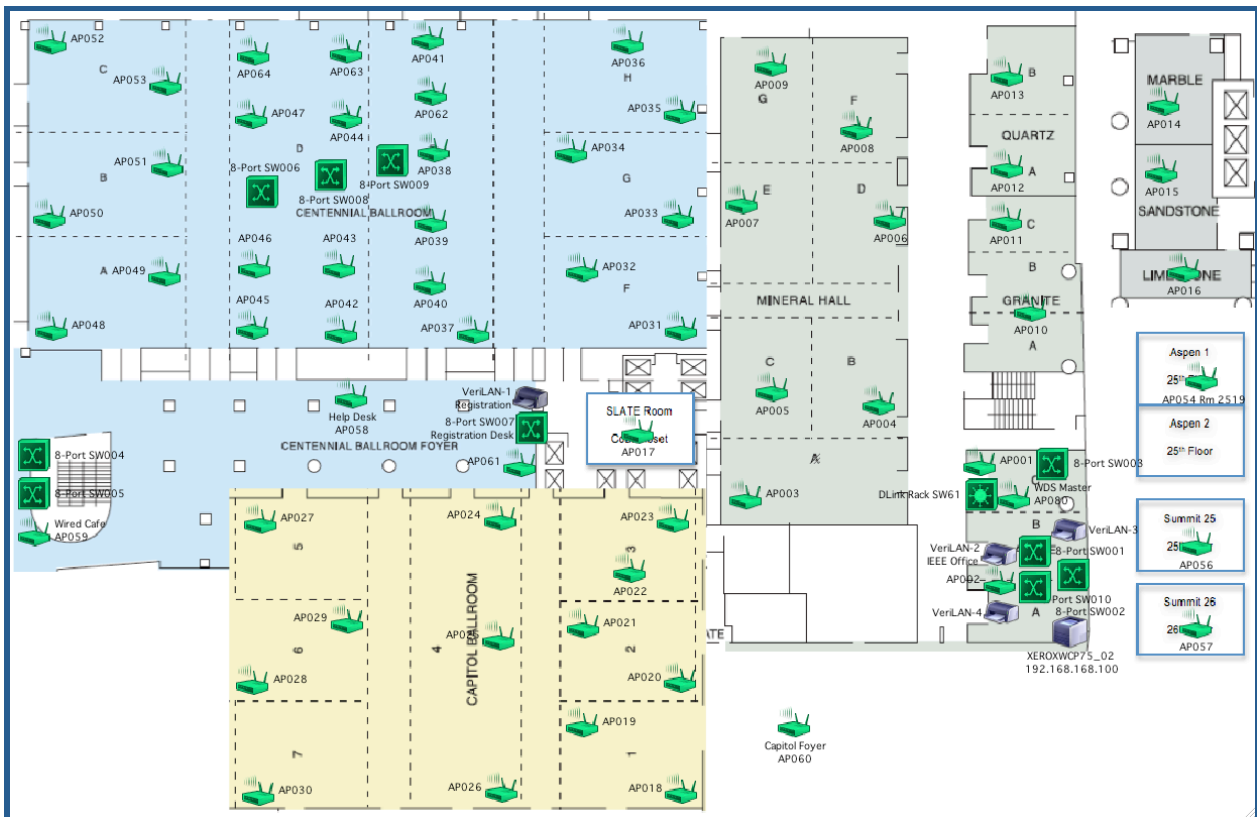**Figure 2. Internet Usage: past 24 hours (EST)**

Figure 3. Internet Usage: past 7 days

Figure 4. Internet Usage: past 12 months

Network Deployment & Coverage

VeriLAN deployed 65 enterprise grade tri-modal IEEE 802.11a/b/g wireless access points throughout the Hyatt Regency Denver Convention Center to provide coverage for all meeting spaces. Target association density was 40 clients per WAP. 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