



Final Network Services Report

January 17, 2020

Event: IEEE 802 Wireless Groups Interim Session
Venue: Irvine Hotel, Irvine CA USA
Dates: January 13-17, 2020

SUMMARY

Linespeed Events, LLC is providing comprehensive wired and wireless network services in 12 meeting rooms, foyers and offices in the Irvine Hotel. Linespeed is also providing a local document server synchronized in near real time with mentor.ieee.org.

The local area network (LAN) supporting the meeting space is comprised of one intermediate distribution frame (IDF) cross connected to the main distribution frame (MDF). Linespeed's wireless local area network (WLAN), comprised of 24 IEEE 802.11 a/g/n/ac compliant access points is currently providing Wi-Fi connectivity to 700+ unique devices (laptops, tablets, smartphones, smartwatches, etc.) at this session (Figure 1.)

IEEE 802W has contracted with the Irvine Hotel to provide a symmetrical 100Mb/s Internet circuit and a /29 CIDR block of public routable IPv4 address space for this event. The hotel provided access to a 500Mb/s symmetrical Internet circuit.

Linespeed provisioned the network with redundant routers configured to failover in case of an outage.

Linespeed tested all Cat5 copper lines interconnecting IDFs and meeting room ports prior to deploying network hardware.

Bandwidth utilization for the past week, 48 hours and 24 hours are shown in Figures 2, 3 and 4 respectively.

ISSUES

We are pleased to report that there were no network related problems or issues reported to the Network Help Desk or Linespeed staff during this session.

WLAN DEPLOYMENT

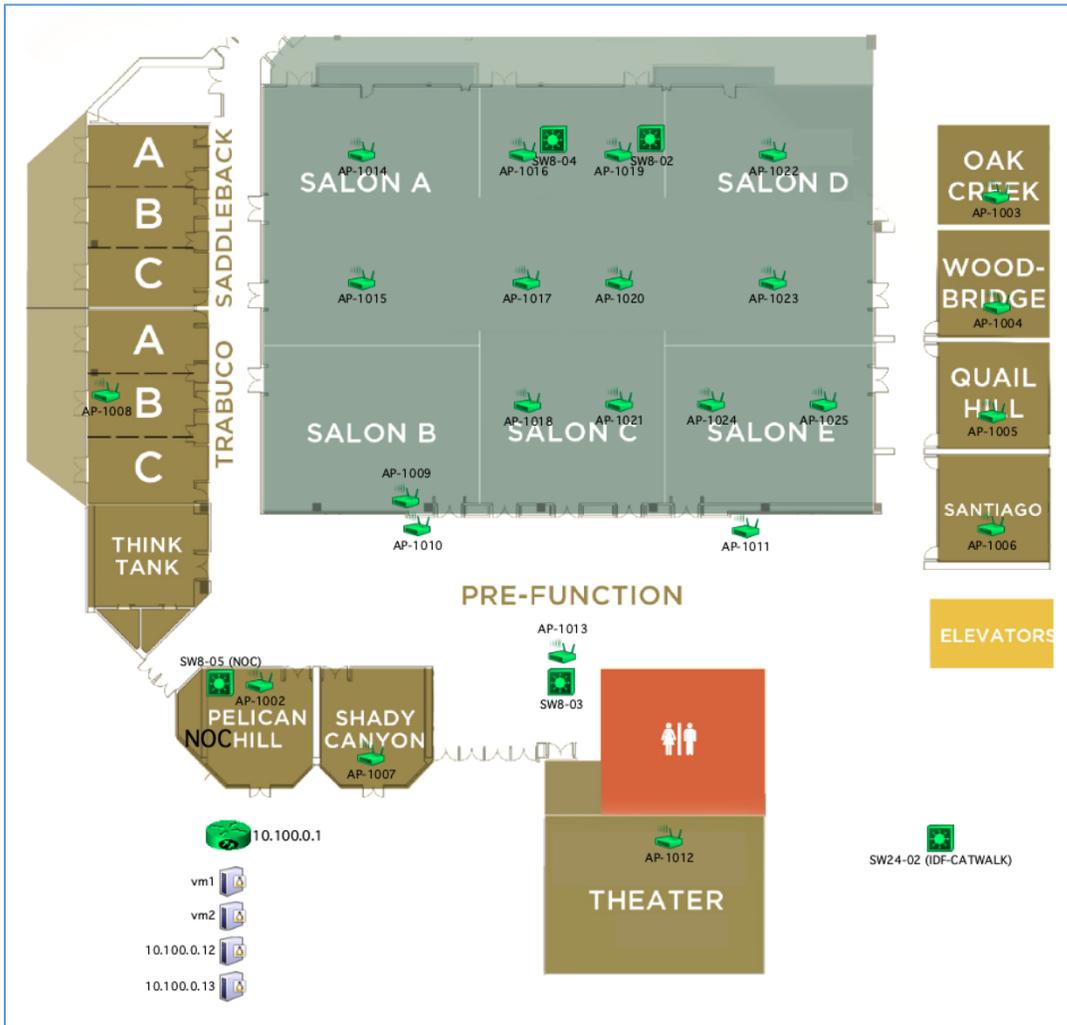


Figure 1. Twenty-four access points were deployed throughout the meeting space.

FINAL STATISTICS

- Total Internet data inbound: 1.07 TB
- Total Internet data outbound: 276 GB
- Maximum wireless network associations: 702 unique devices

BANDWIDTH UTILIZATION

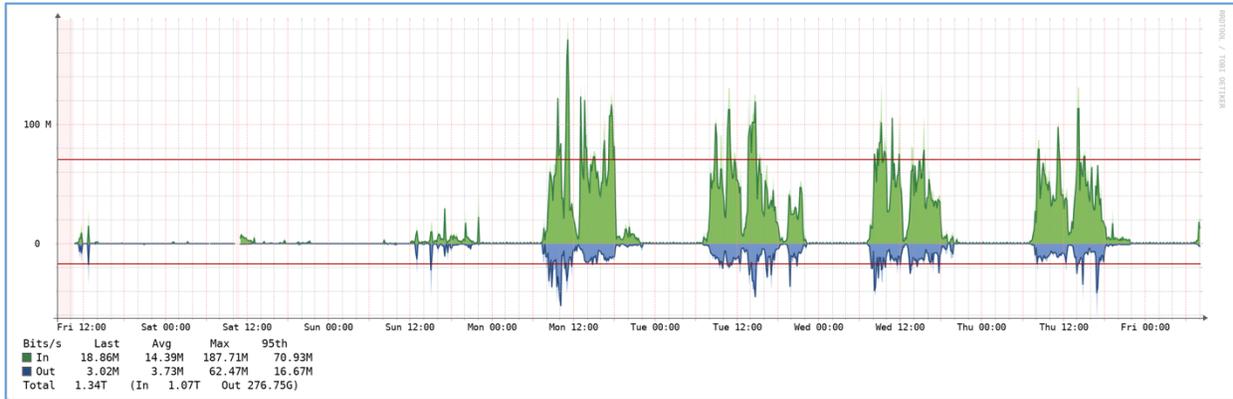


Figure 2. External Bandwidth: past week.

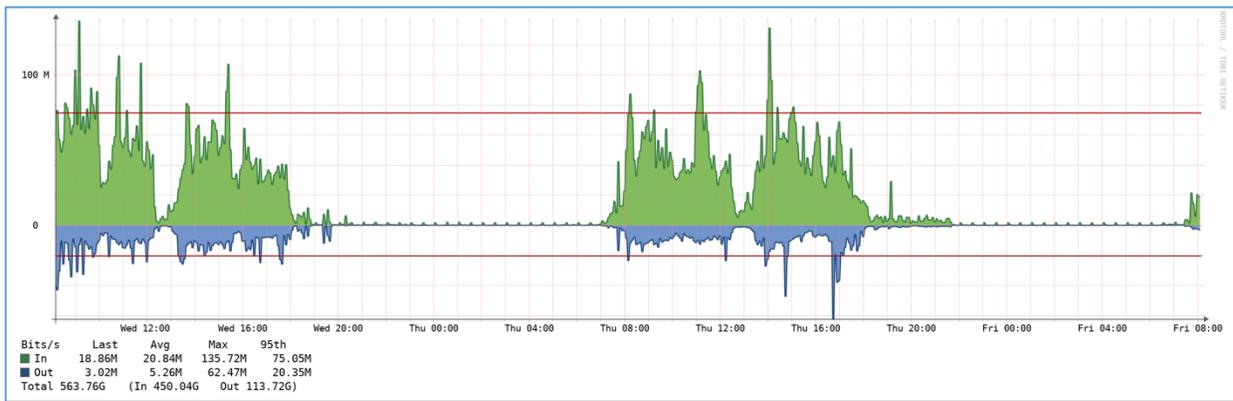


Figure 3. External Bandwidth: past 48 hours.

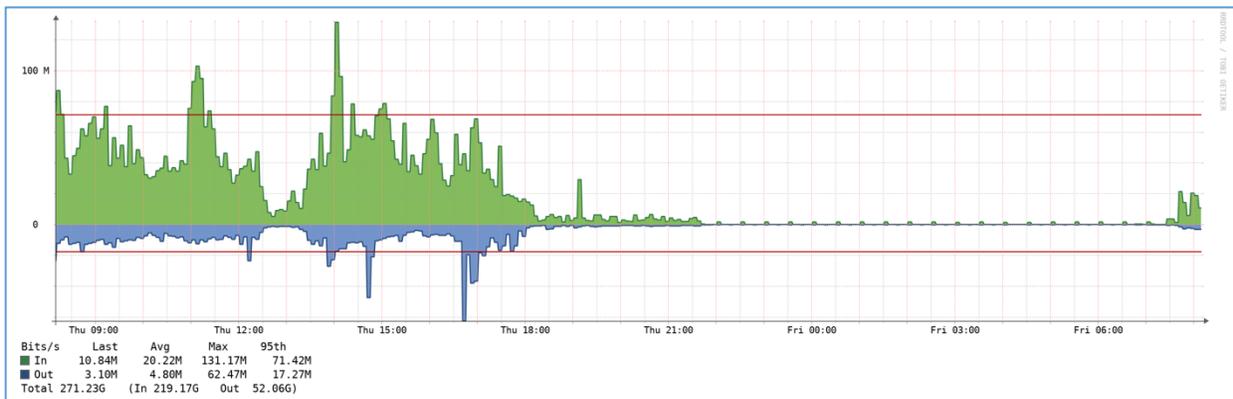


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