



## **Network Services Report**

March 15, 2024

**Event:** IEEE 802 Plenary Session

**Venue:** Hyatt Regency Denver at Colorado Convention Center, Denver, CO

**Dates:** March 11-15, 2024

### **SUMMARY**

Linespeed Events, LLC is providing comprehensive wired and wireless network services in 21 meeting rooms, ballroom foyer and offices at the Hyatt Regency Denver at Colorado Convention Center. Linespeed deployed redundant routers configured to failover in case of equipment failure. Linespeed is also providing a landing page information portal ([ieee802.linespeed.com](http://ieee802.linespeed.com)) and local document server synchronized in near real time with [mentor.ieee.org](http://mentor.ieee.org).

The local area network (LAN) supporting the meeting space is comprised of a main distribution frame (MDF) and four intermediate distribution frames (IDFs). Linespeed's wireless local area network (WLAN), comprised of 39 IEEE 802.11 a/g/n/ac/ax compliant WiFi 6 access points is currently providing Wi-Fi connectivity to 1286 unique mac addresses (including laptops, tablets, smartphones, smartwatches, etc.) at this session (Figure 1.)

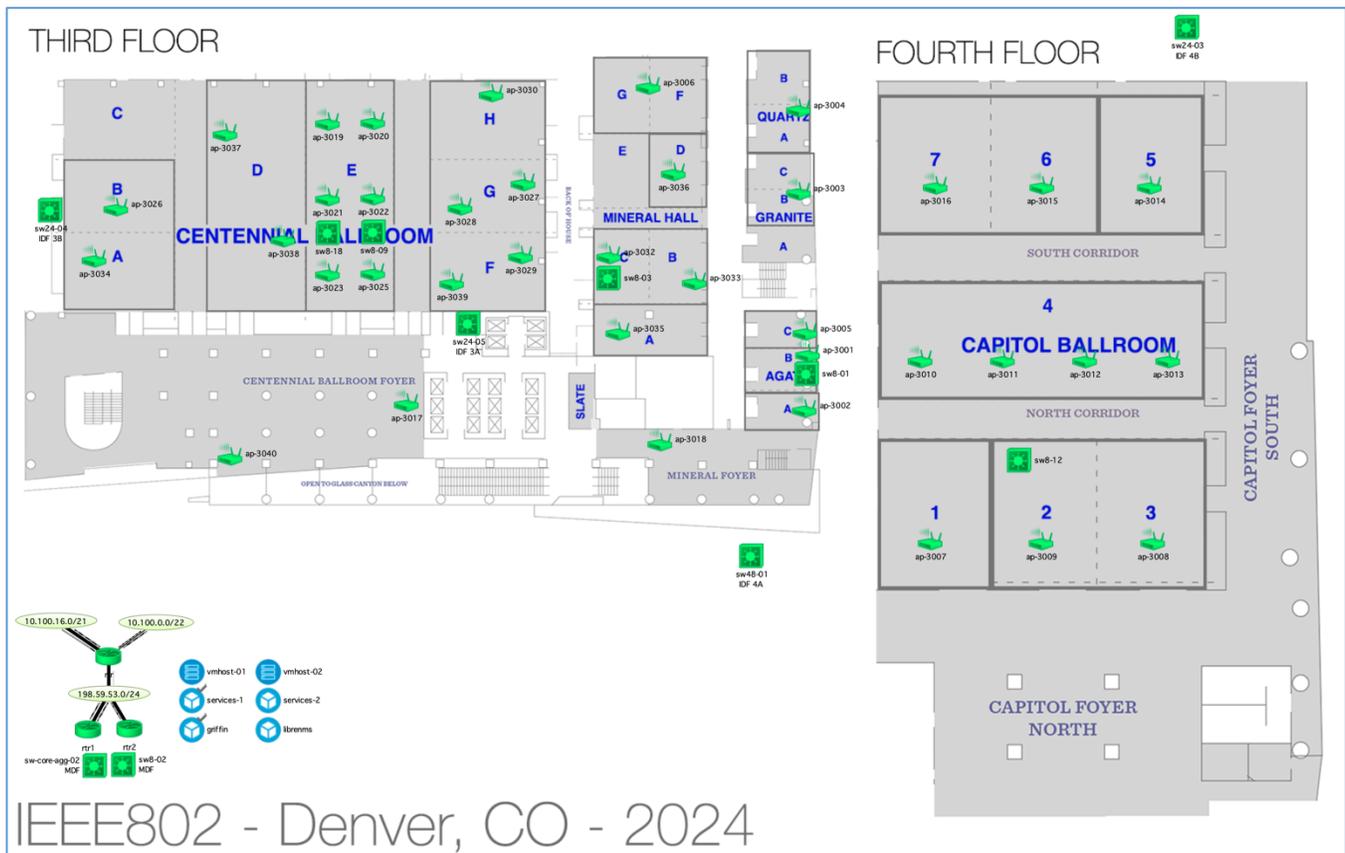
The Hyatt Regency Denver at Colorado Convention Center provided IEEE 802 with a shared symmetrical 1Gb/s Internet circuit and a /30 CIDR block of public routable IPv4 address space for this event.

Bandwidth utilization graphs for the week, a 48 hour period and a 24 hour period are represented in Figures 2-4.

There were no meeting network issues or outages reported during the week.

## WLAN DEPLOYMENT

Figure 1. Thirty-nine access points were deployed throughout the meeting space.



## FINAL STATISTICS (as of 12PM 3/15/24)

- Total Internet data: 4.91 TB
- Total Internet data inbound: 3.79 TB
- Total Internet data outbound: 1.12 TB
- Inbound Internet bandwidth utilization
  - Peak: 567.19 Mb/s
  - 95th Percentile: 246.01 Mb/s
- Outbound Internet bandwidth utilization
  - Peak: 221.95 Mb/s
  - 95th Percentile: 66.97 Mb/s
- Wireless network associations: 1286 unique mac addresses

## BANDWIDTH UTILIZATION

Figure 2. External Bandwidth: meeting week.

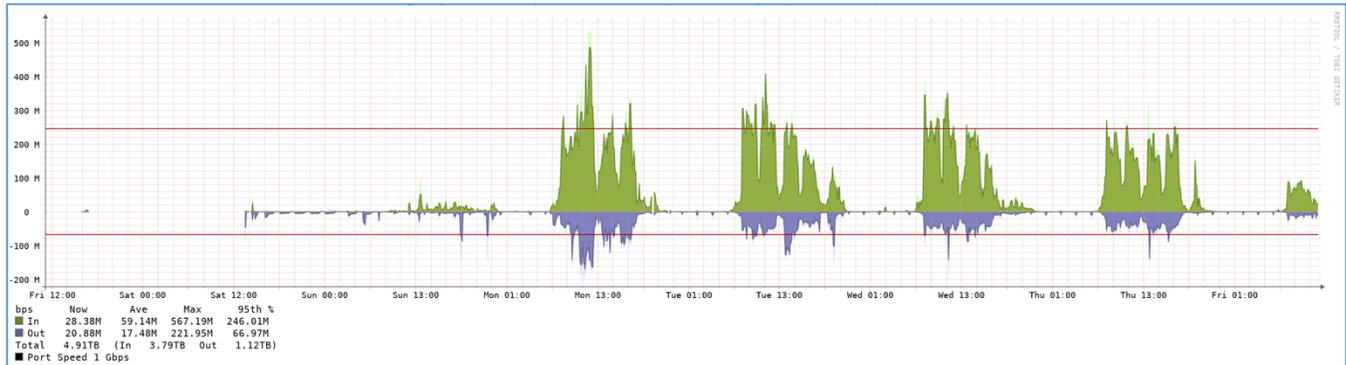


Figure 3. External Bandwidth: 48 hours.

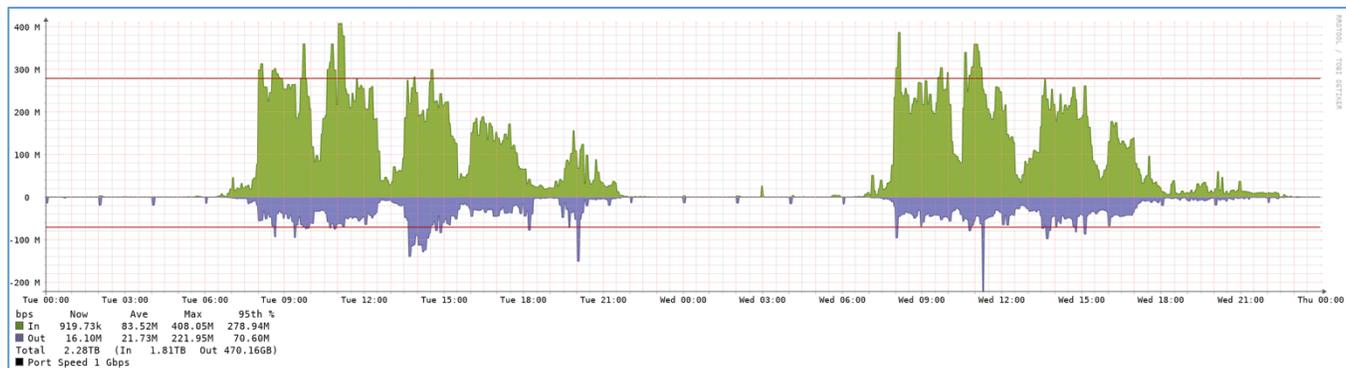


Figure 4. External Bandwidth: 24 hours.

