



Network Services Report

May 17, 2024

Event: IEEE 802 Wireless Interim Session
Venue: Marriott Warsaw Hotel, Warsaw, Poland
Dates: May 13-17, 2024

SUMMARY

Linespeed Events, LLC is providing comprehensive wired and wireless network services in 10 meeting rooms, foyers and offices at the Marriott Warsaw hotel. Linespeed deployed redundant routers configured to failover in case of equipment failure. Linespeed is also providing a landing page information portal (ieee802.linespeed.com) and local document server synchronized in near real time with mentor.ieee.org.

The local area network (LAN) supporting the meeting space is comprised of a main distribution frame (MDF) and three intermediate distribution frames (IDFs). Linespeed's wireless local area network (WLAN), comprised of 23 IEEE 802.11 a/g/n/ac/ax compliant WiFi 6e access points is currently providing Wi-Fi connectivity to 750 unique mac addresses (including laptops, tablets, smartphones, smartwatches, etc.) at this session (Figure 1.)

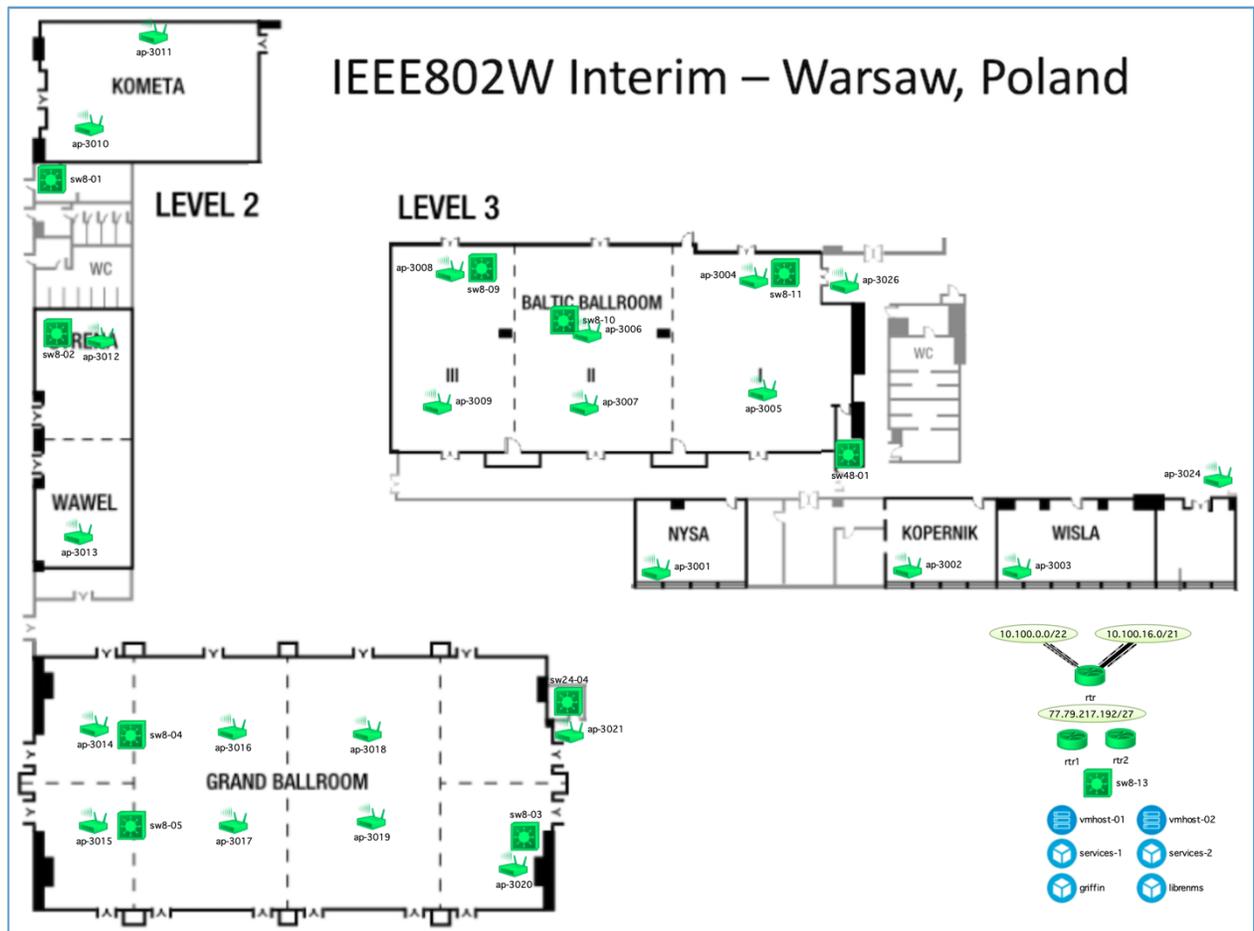
The Marriott Warsaw hotel provided IEEE 802W with a shared symmetrical 1Gb/s Internet circuit and a /29 CIDR block of public routable IPv4 address space for this event.

During the course of the network site visit in February 2024 there were a small number infrastructure deficiencies identified that required curing prior to arriving on site for the session. The hotel was very cooperative in adopting our recommendations and repairing the physical layer infrastructure. As a result we enjoyed a very successful event.

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

WLAN DEPLOYMENT

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



FINAL STATISTICS (as of 9:30AM 5/17/24)

- Total Internet data: 2.49 TB
- Total Internet data inbound: 2.01 TB
- Total Internet data outbound: 480.93 MB
- Inbound Internet bandwidth utilization
 - Peak: 308.79 Mb/s
 - 95th Percentile: 129.33 Mb/s
- Outbound Internet bandwidth utilization
 - Peak: 102.40 Mb/s
 - 95th Percentile: 30.86Mb/s
- Wireless network associations: 750 unique mac addresses

BANDWIDTH UTILIZATION



Figure 2. External Bandwidth: meeting week.



Figure 3. External Bandwidth: 48 hours.

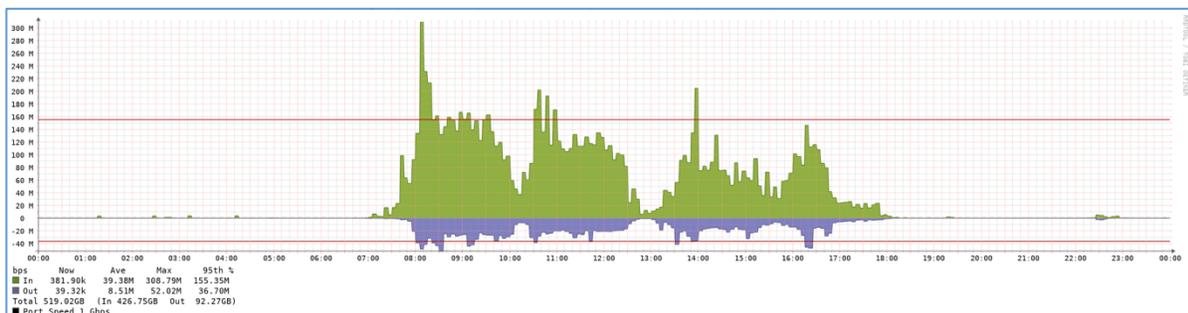


Figure 4. External Bandwidth: 24 hours.