

IMPLEMENTATION ROADMAP

Wi-Fi 7: Conquer the Climb to Continuous Peak Wi-Fi Performance

START AT BASE CAMP

STEP 05 Stay exceptional: Optimize + evolve

Perform regular updates and maintenance:

- Keep firmware and security patches up to date
- Perform regular network health checks
- Schedule routine preventive maintenance

Watch, listen, and scale:

- Plan for network expansion to accommodate device and application growth
- Rely on user feedback to refine and enhance network experiences
- Use insights to guide strategic technology investments

Adapt to the latest innovations:

- Stay informed on emerging technologies and trends
- Experiment with new Wi-Fi 7 features as they become available
- Foster a culture of continuous improvement within the IT team

Where does AIOps actually help?
AI-Native Networking wireless demo

WATCH NOW



STEP 04 Be vigilant: Rely on continuous monitoring + dynamic troubleshooting

Implement advanced monitoring tools:

- Deploy tools that can continuously track performance and user experience
- Utilize real-time analytics to detect anomalies and performance issues
- Set up alerts for critical threshold breaches

Make proactive adjustments

- Use AI-driven insights for configuration optimization and issue resolution
- Implement automated troubleshooting protocols for rapid problem solving

Employ user analytics:

- Systematically collect and analyze user behavior and feedback
- Adjust network settings based on user patterns
- Ensure consistent quality of service

STEP 03 Scale Smoothly: Maximize deployment and configuration efficiency

Centralize management:

- Rely on a cloud-based platform for streamlined deployment
- Implement automated configuration processes
- Rely on the cloud for easy scalability for future network growth

Continually test and optimize:

- Use Wi-Fi 7 features to configure APs for peak performance
- Conduct extensive testing to ensure benchmarks are met
- Validate with real-world usage scenarios

Strengthen security protocols:

- Enable WPA3 to strengthen encryption and authentication
- Regularly update security policies to mitigate threats
- Monitor for vulnerabilities and apply patches promptly

Get assistance with Wi-Fi 7 design
Designing Wi-Fi Wonderlands with Juniper and Hamina

WATCH NOW

STEP 02 Gear Up: Upgrade infrastructure

Design your network:

- Upgrade to Wi-Fi 7 compatible access points (APs)
- Redesign network layout for optimized RF coverage
- Source PoE++ and MGig supported switches

Enhance backhaul capabilities:

- Ensure the wired network supports increased Wi-Fi 7 bandwidth
- Upgrade routers and cabling along with switches data rates if necessary

Conduct capacity planning:

- Plan for high-density environments with more devices
- Optimize for latency-sensitive applications like HD conferencing
- Ensure redundancy for critical network segments

STEP 01 Base Camp: Assess and plan

Evaluate existing infrastructure:

- Assess current network setup, performance and bottlenecks
- Review hardware and software readiness for Wi-Fi 7

Define requirements and objectives:

- Identify usage patterns and project future growth
- Set performance, capacity, and user experience goals
- Prioritize applications and devices needing 6 GHz capabilities

Implement risk management:

- Identify possible risks and mitigation strategies
- Develop a deployment timeline, roadmap, and budget

Get a refresh on Wi-Fi 7 key considerations
Introducing the Power and Scale of Wi-Fi 7

WATCH NOW



Welcome

The 6 GHz band has introduced 3x the available spectrum capacity of 2.4 and 5 GHz bands combined. NOW, Wi-Fi 7 is transforming enterprise connectivity with next-gen efficiency, performance, and security for digital transformation. This simple guide equips you and your team with a structured, step-by-step roadmap to achieve your seamless transition to Wi-Fi 7 and achieve peak wireless performance.

Watch the complementary on demand webinar
Wi-Fi 7: Charting Your Path to Peak Wi-Fi Performance

WATCH NOW