Network Resilience Reaches the C-Suite

C1 Edge Research investigated how network resilience is prioritized and managed at U.S.-headquartered mid-market and enterprise organizations across five industries. The insights reveal a race to support distributed workforces, data-heavy workloads and Al-driven operations. Here's what they said. How does your organization compare?

Reaches the C-Suite

Network Resilience



indicate network resilience is a strategic C-Suite/ Board level topic

Edge **Acceleration**



indicate Wi-Fi 6/7 is the network technology they are investing in for the next 12 months, followed by SD-WAN (79%) and 5G connectivity (76%)

Speed and **Performance**



indicate performance and speed, 60% security and 57% reliability/uptime as the attributes guiding their network architecture decisions

The Driving Forces Here's what's propelling the network into the boardroom:

Network outages mean business

indicate network outages have a negative impact on their business

Primary reasons for investing in the network

Reduce operational costs

Improve network performance and speed

38% Increase reliability and uptime

Enterprises are moving 5G to the top of their investment queue because it delivers a trifecta-real-time performance, deterministic security and provable ROI-that no legacy network can match.

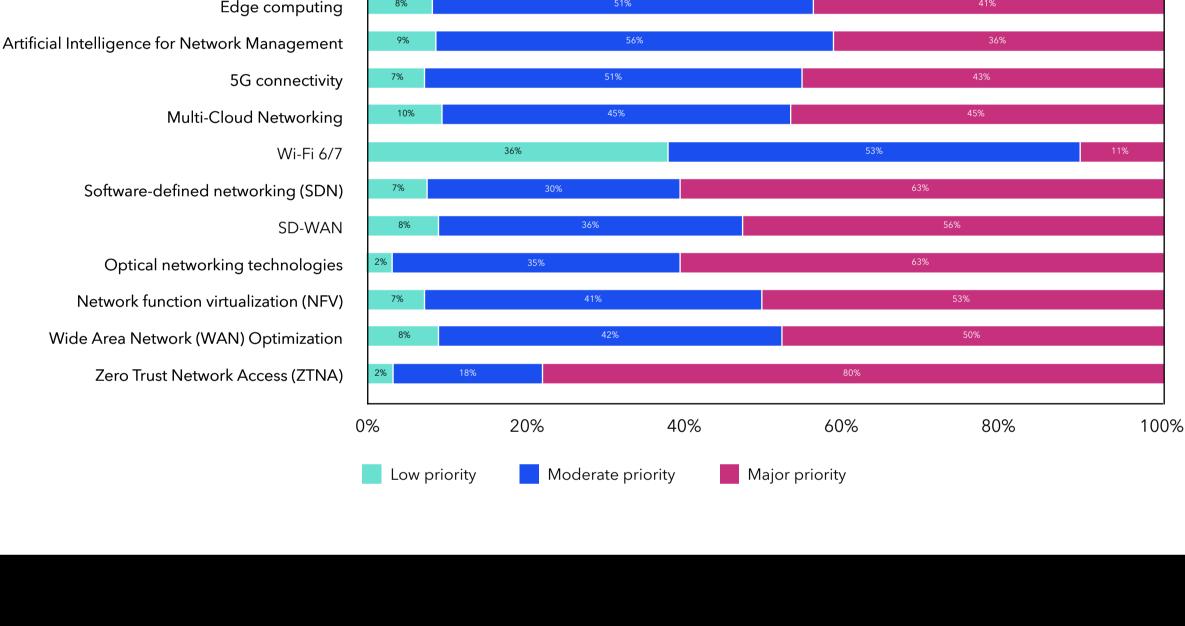
Network automation tools

5G is First In Line for Investment

Sliding in at second is Wi-Fi 6 and 7. These technologies aren't just speed upgrades. They're foundational

upgrades for performance, scale, and experience in a wireless-first world. Organizations that invest now are better positioned to support hybrid work, edge applications, and IoT growth-without overbuilding on cellular or wired infrastructure. Prioritization of Network Modernization Investments

Internet of Things (IoT) integration



181 zettabytes of data in 2025-more than 23% growth over 20242. With that wave of data barreling through enterprise backbones, keeping every packet moving quickly and securely sits at the top of every network owner's agenda.

Scalability

Reliability/Uptime

Balancing modernization with ongoing operations

Ensuring data security and compliance

Downtime or disruptions in service

Compatibility issues with existing systems

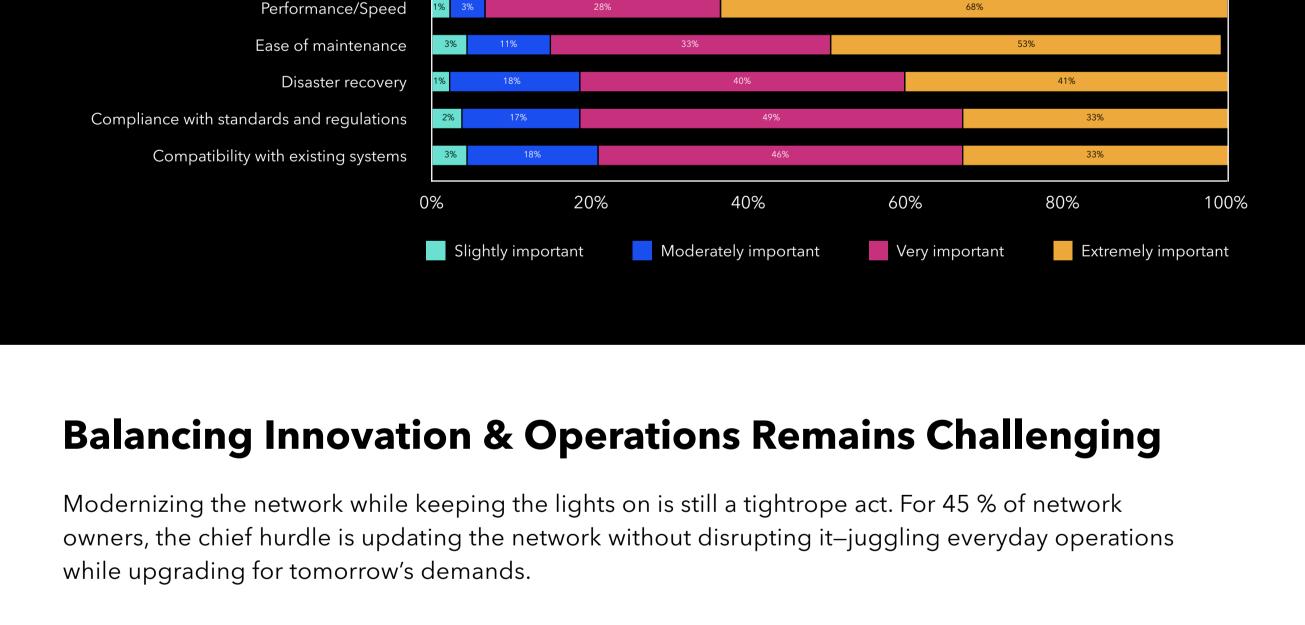
Speed Guiding Network Architecture Decisions

Attributes Guiding Network Architecture Decisions 39% User experience Security

Speed and security were called out as the twin north-stars for network architects-and the load they

must carry is exploding. Industry analysts expect global Internet traffic to reach ~549 exabytes per

month1 in 2025, up 20% in a single year. At the macro level, the world will create and replicate about



Challenges Experienced With Network Investments

Managing increased complexity of network architecture Rate of change within organization Difficulty training staff on new technologies



external resources,

42%

Given the importance of keeping their enterprise networks in good health, 72% of respondents indicate they are augmenting their teams with external resources and 3rd party service providers.

Outsourcing to a third-party service provider, 30% Learn how organizations like yours are

making it happen.

With the rapid advancements in technology and the increasing demand for high-speed, reliable networks, the stakes have never been higher for infrastructure modernization. The latest C1 Infrastructure magazine showcases real-world examples of how organizations are leveraging cutting-edge technologies and strategic partnerships to transform their network infrastructures and achieve remarkable performance improvements. (it's free, doesn't require your contact information and actually does provide useful case study information). Read the case studies here.

Additionally, visit onec1.com to learn more about how C1 is working with organizations like yours to keep their enterprise networks reliable, secure and high performing - all at a lower cost.

CONTACT US

45%

45%

45%

35%

- 1. <u>IBISWorld</u> 2. Exploding Topics
- 3. <u>arXiv</u> 4. Comcast Business