

# Harnessing AI in networking

## AI insights to enhance readiness



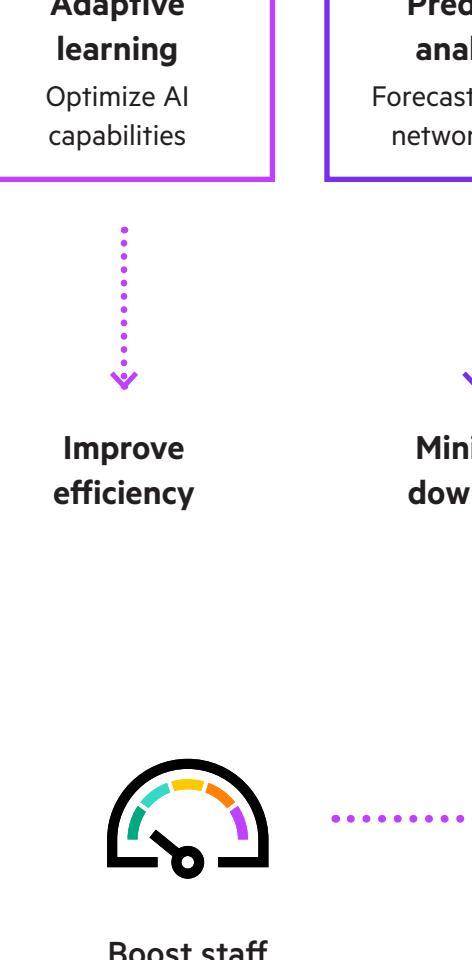
**AI is poised to revolutionize enterprise networking.** From emerging use cases to challenges and benefits, the following insights will help you understand what to expect and how to best prepare for the future.

66

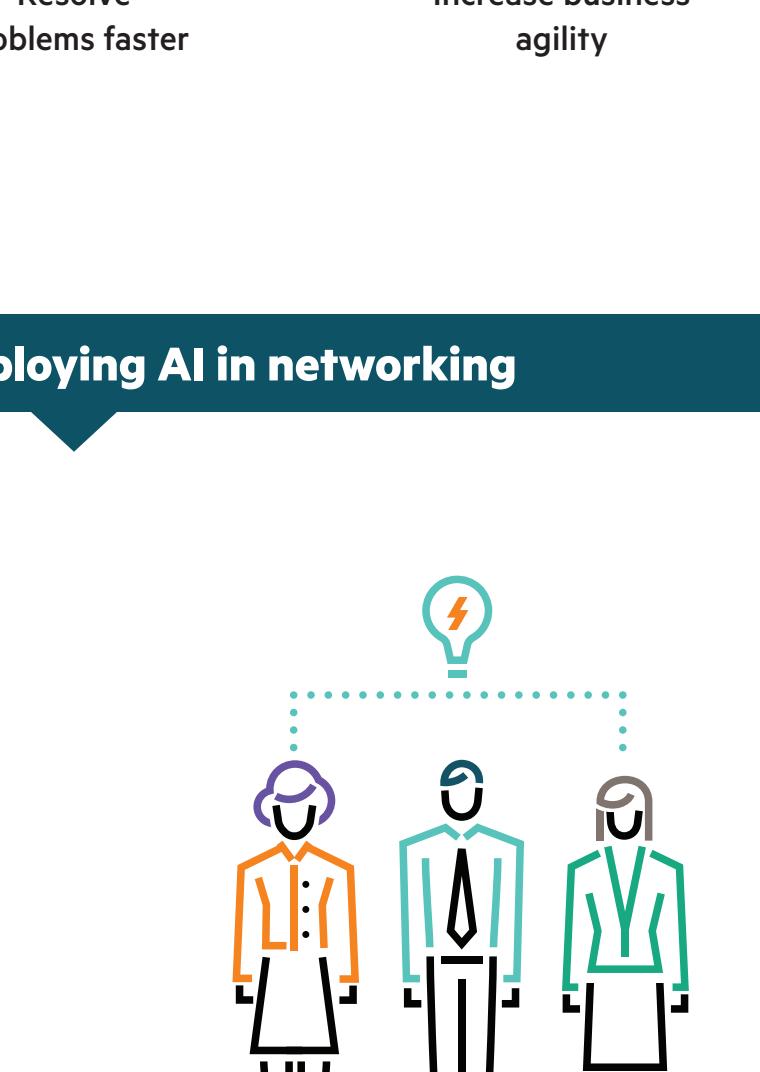
**“The AI revolution is going to spark customers to rethink their data strategy: where they store it and how they maintain it and how they ensure regulatory compliance.”**

— Antonio Neri, CEO, HPE

### Why AI in networking



**Today**  
Defined and driven by LoB and end user

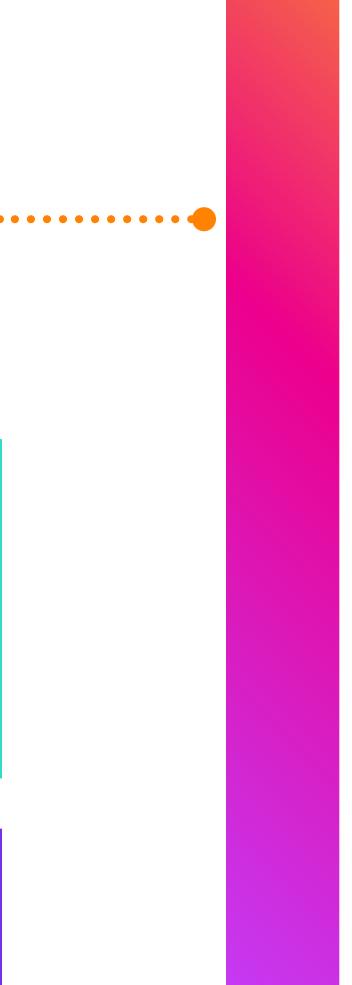
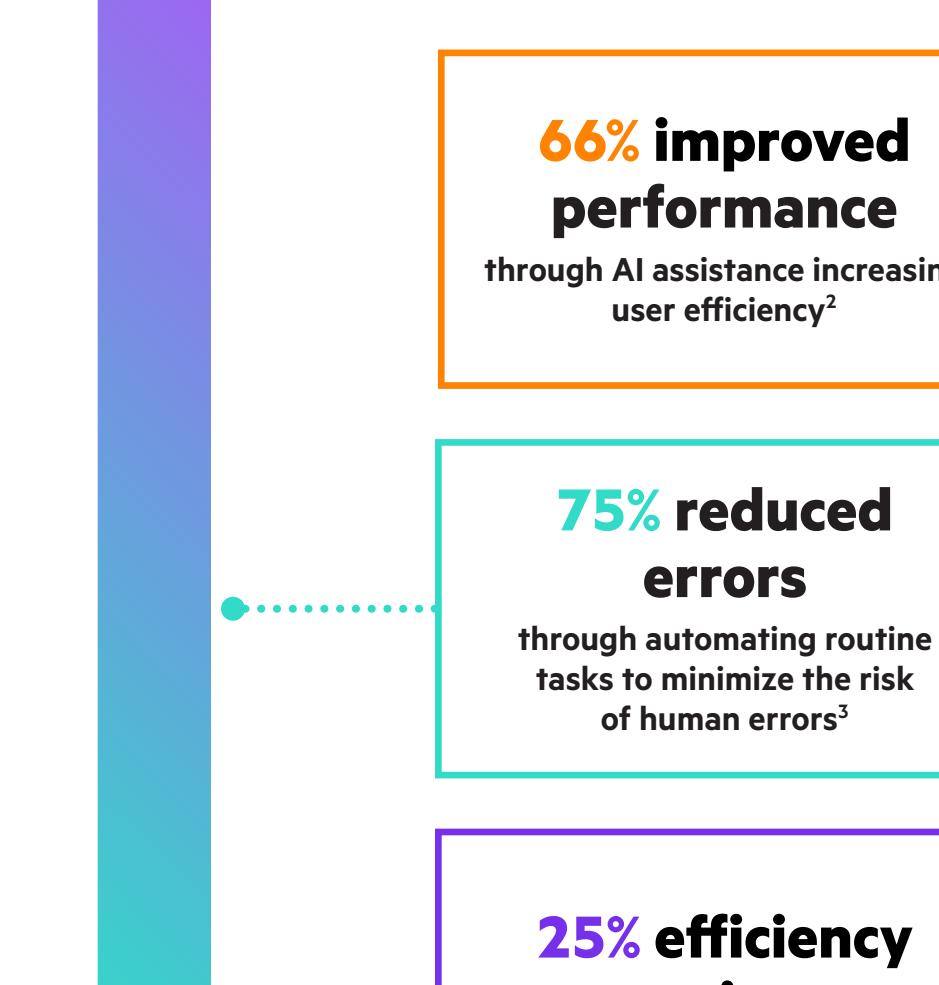


### AI in networking

IT can securely scale application connectivity across more complex environments with higher QoS to accelerate the pace of delivery.

### How organizations want to invest in AI

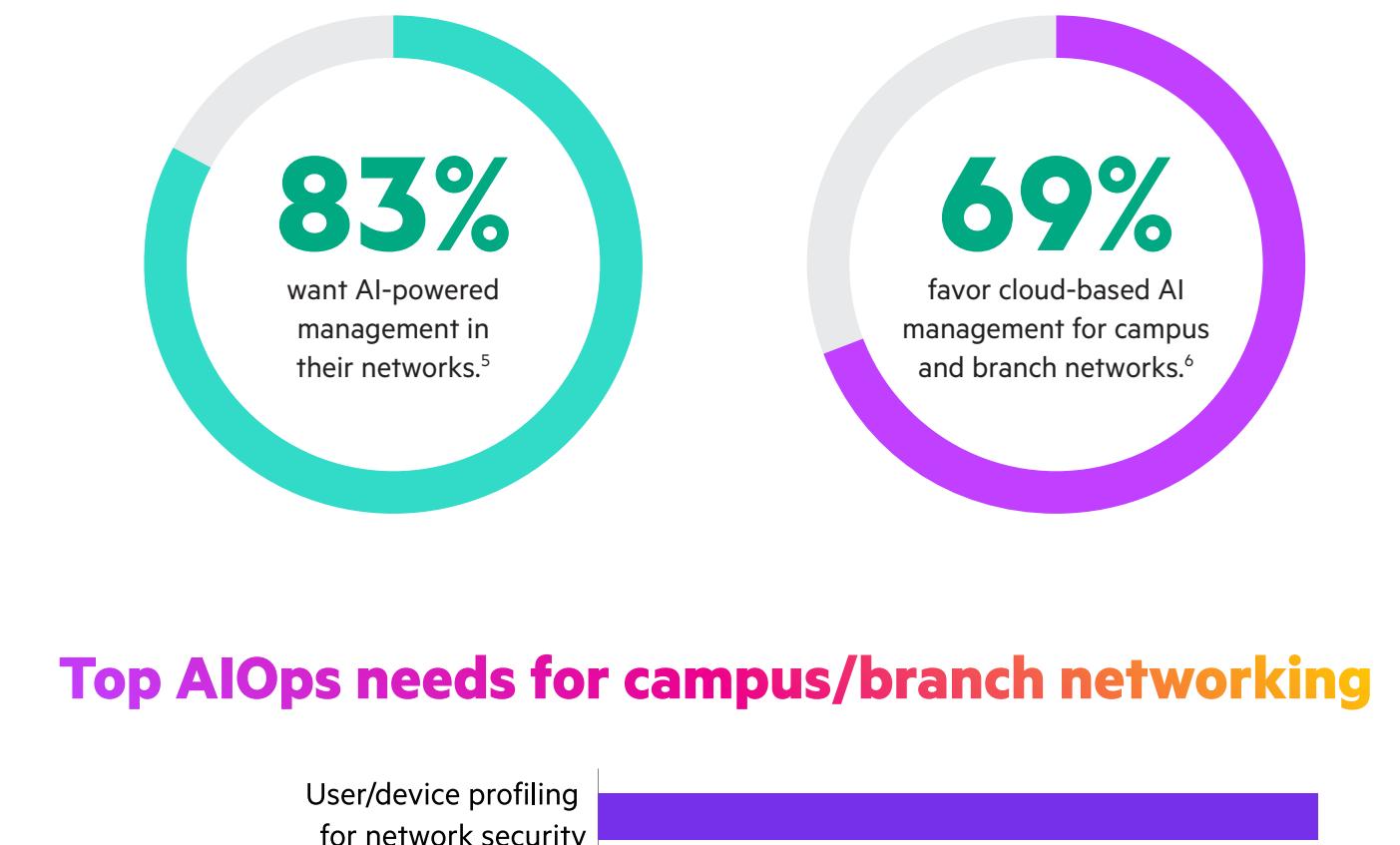
#### Top AI capabilities powering the network



Source: Worldwide AI in Networking Special Report, IDC, 2024, N = 1209.

### Benefits of AI in networking

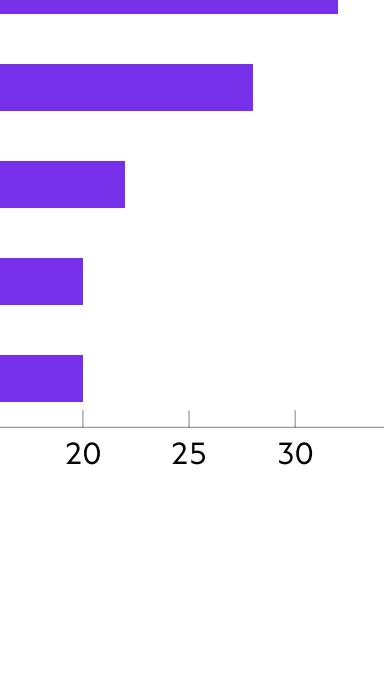
#### Technical



Source: Worldwide AI in Networking Special Report, IDC, 2024, N = 896.

### Challenges of deploying AI in networking

- Is the ROI compelling enough to proceed?
- Is the AI safe and ethically accountable?
- Is the AI able to integrate with current processes?



### Evaluating ROI in the context of AI

**25% cost reduction**  
through reduced support calls, improved troubleshooting, increased network availability, and optimized end-user experiences.<sup>1</sup>

**66% improved performance**  
through AI-assisted user efficiency.<sup>2</sup>

**75% reduced errors**  
through automating routine tasks to minimize the risk of human errors.<sup>3</sup>

**25% efficiency gains**  
through increased productivity.<sup>4</sup>

### Demand for AI in networking

#### IT wants AI in networking

**83%** want AI-powered management in their networks.<sup>5</sup>

**69%** favor cloud-based AI management for campus and branch networks.<sup>6</sup>

#### Top AIOps needs for campus/branch networking

- User/device profiling for network security
- Root cause analysis (RCA) and guided remediation of network problems
- GenAI chatbot for network troubleshooting
- Firmware analysis and recommended updates
- Connectivity experience scoring
- Radio resource management (RRM) for Wi-Fi channel optimization
- WAN path selection in SD-WAN

**HPE Aruba Networking Central** helps supercharge your network through expanded AI functionality, upgraded security, and unrivaled connectivity across branch, remote office, campus, data center, and IoT networks.

Optimize your network using a refreshed and intuitive user interface and start transforming your network today.

<sup>1</sup> “AI in networking: Productivity benefits and challenges,” SDX Central, January 2025. <sup>2</sup> “AI to reduce errors in networking,” The Journal of Accountability, February 2024. <sup>3</sup> “AI is showing very positive signs of eventually boosting IT efficiency and productivity,” Gartner, May 2024. <sup>4</sup> “Worldwide AI in Networking Special Report,” IDC, 2024, N = 1209. <sup>5</sup> “Worldwide AI in Networking Special Report,” IDC, 2024, N = 650. <sup>6</sup> “Worldwide AI in Networking Special Report,” IDC, 2024, N = 630.

© Copyright 2025 Hewlett Packard Enterprise Development L.P. The information contained herein is subject to change without notice. This only constitutes an HPE Product Statement.

HP014643ENW

Learn more at: [HPE.com/aruba-central](https://HPE.com/aruba-central) Visit [HPE.com](https://HPE.com)

