

# Scale and Agility in Wireless Networks

Digital transformation is essential but brings with it additional complexities that translate into more demands on networks for scale, performance, and reliability. Legacy Wi-Fi architectures are difficult to manage and can't scale to support the soaring numbers of devices, applications, and growing bandwidth requirements. Modern wireless networks require cloud-based and AI-Native automation so they can be as agile as the devices connected to them and drive simplicity in operations, while saving time and money.

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## Digital Transformation Remains a Strong Focus



87%

of organizations are on a digital transformation journey.

## Networking Is One of the Most Commonly Cited Candidates for Deployment in the Cloud

In addition to networking, the **top five** application categories considered to be potential or strong candidates for deployment on the public cloud include security/identity, AI/ML, data analytics, and data warehouses.



Security/  
identity



Artificial intelligence/  
machine learning



Data  
analytics

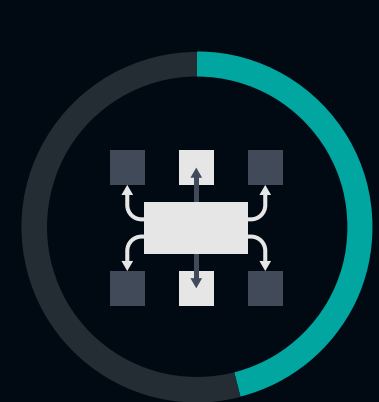


Data  
warehouses



Networking

## AIOps Delivers Multiple Benefits



46%

of organizations saw the most substantial AIOps benefits in **improved/automated topology, relationship, and dependency mapping**.



90%

realized an **improved ability** to identify and address configuration drift.



88%

saw **accelerated** issue detection and root cause identification.

## Challenges of Supporting Modern Environments

Organizations face a number of challenges related to scaling Wi-Fi. Delivering a consistent experience across offices and remote locations tops connectivity challenges (cited by 41% of respondents).



**MOST COMMONLY CITED  
CONNECTIVITY CHALLENGE:**

**Delivering consistent experience/performance** across corporate offices and home/remote locations.

41%

### Other top challenges include:



**Complex** management systems

31%



Users voicing displeasure with **performance/latency** issues

30%



Lack of granular **visibility/reporting** on user activity/network traffic

30%

**"More than 80% of organizations deploying AIOps saw benefits in multiple areas, and an average of 40% felt those benefits were substantial."**



**Jim Frey**, Principal Analyst,  
ENTERPRISE STRATEGY GROUP

## Cloud-based, AI-Native Wi-Fi Delivers Agility and Scale

To achieve greater agility and scale for users and devices, organizations have turned to cloud-based, AI-Native Wi-Fi solutions.

73%

of organizations prefer **cloud-based network visibility and management**.

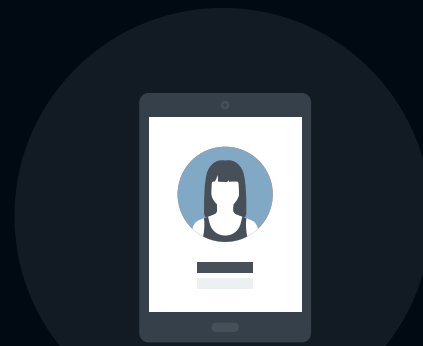
### Top Reasons for Preference of Cloud-based End-to-end Visibility or Management Solutions



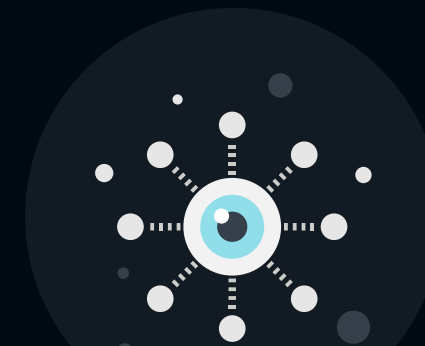
Lifecycle management



Ability to leverage AI/ML in the cloud



Ability to easily access when working remotely



Centralized visibility and control for the distributed environment

## AIOps Helps to Simplify Operations



46%

of respondents reported that AIOps has **simplified** their organization's operations and accelerated the pace of scaling their observability practice.



40%

reported that AIOps-related benefits of their observability solution have **simplified** operations to the point where they have freed up resources and accelerated operations.

## Automation Targets Include Campus/Branch Wireless Networks



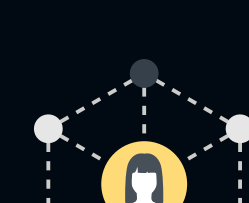
WAN (SD-WAN and WAN optimization)

53%



Campus/branch wireless network

47%

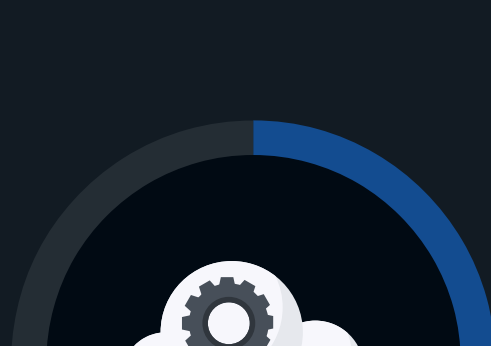


Campus/branch wired network

43%

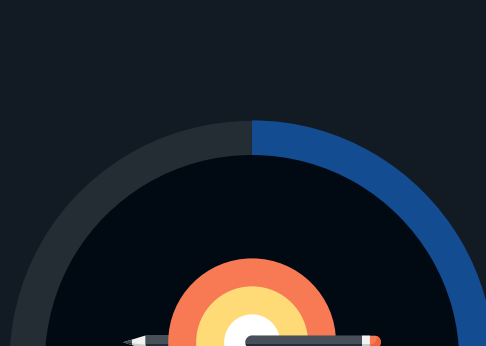
## Benefits of Cloud-based Management and AI-Native Automation

Organizations cite numerous benefits when leveraging cloud-based, AI-Native solutions, including:



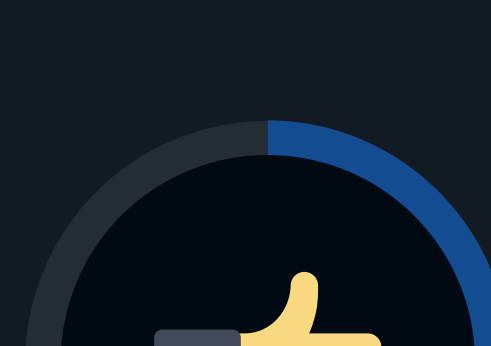
66%

expect that leveraging network intelligence/automation capabilities will enable them to drive further automation.



57%

report that the network team gains time to work on strategic initiatives.



47%

highlight meeting service-level agreements by providing highly available and performant network environments.

## Juniper Mist Wi-Fi Solutions Deliver Agility and Scale

Organizations need to modernize their Wi-Fi. Juniper Mist Wi-Fi solutions check the boxes for the cloud-based management and AI-Native automation required to drive operational efficiencies and scale to accommodate new demands.

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