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The bridge to possible

Five Emerging Technologies Paving the Way for the Future of Networking

Grant Shirk, Head of Product Marketing, Cisco Meraki @grantshirk

Raakhee Mistry, Senior Director of Product Marketing, Cisco Enterprise Networking @raakheemistry

PSOENT-1000



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Agenda



Introduction



Networking priorities



Five key network capabilities



Conclusion (where to get started)

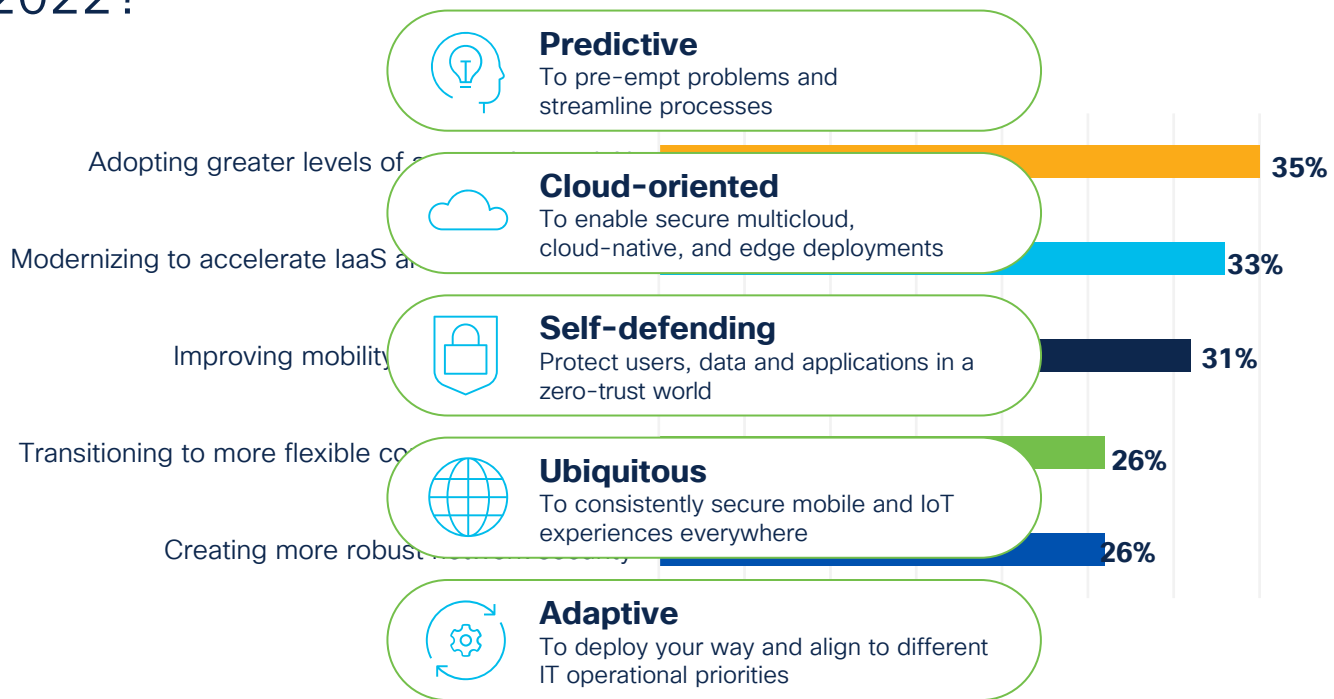
Change is unrelenting



Networking Priorities

Top five network priorities

What are your organization's most important networking plans for 2021/2022?



5 Key Networking Trends

1 Predictive infrastructure

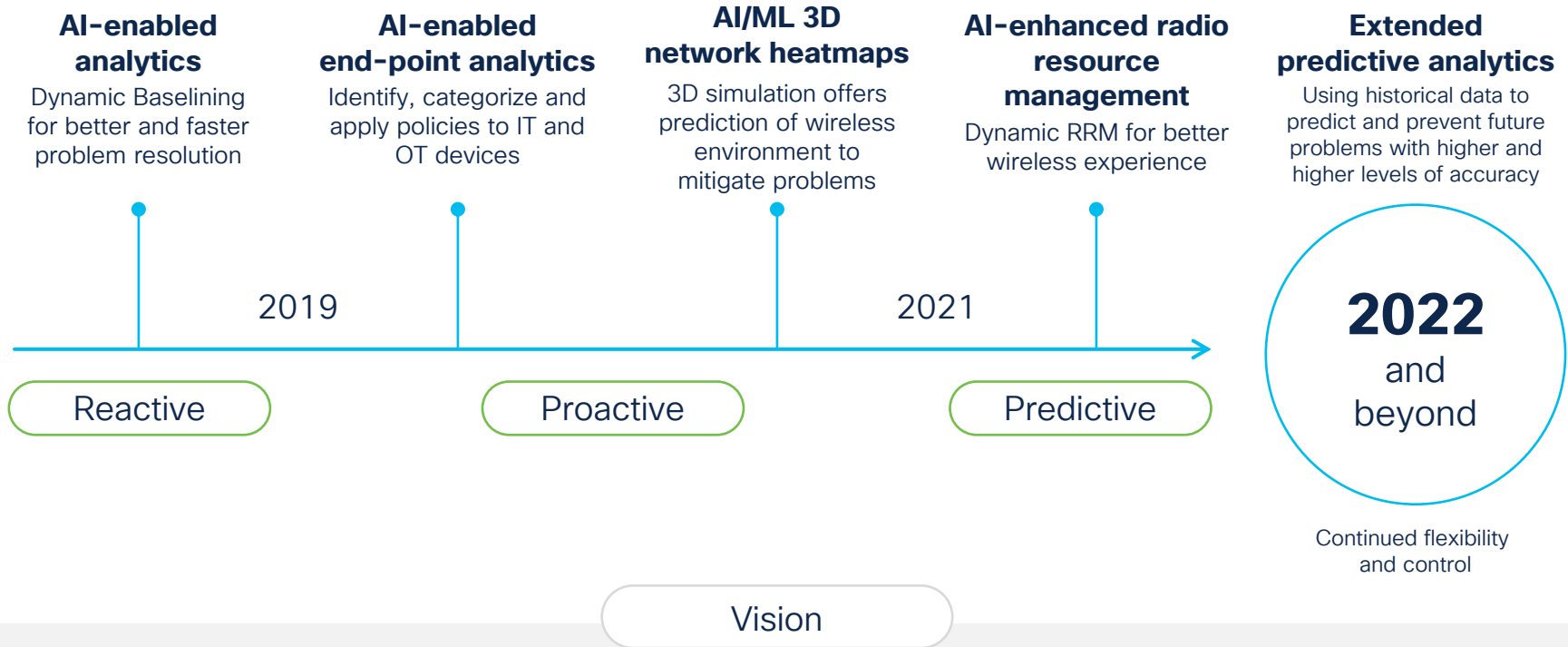
66%

of large enterprises worldwide will rely on advanced AI to automate at least one part of their enterprise network by 2024.

The Cisco networking promise

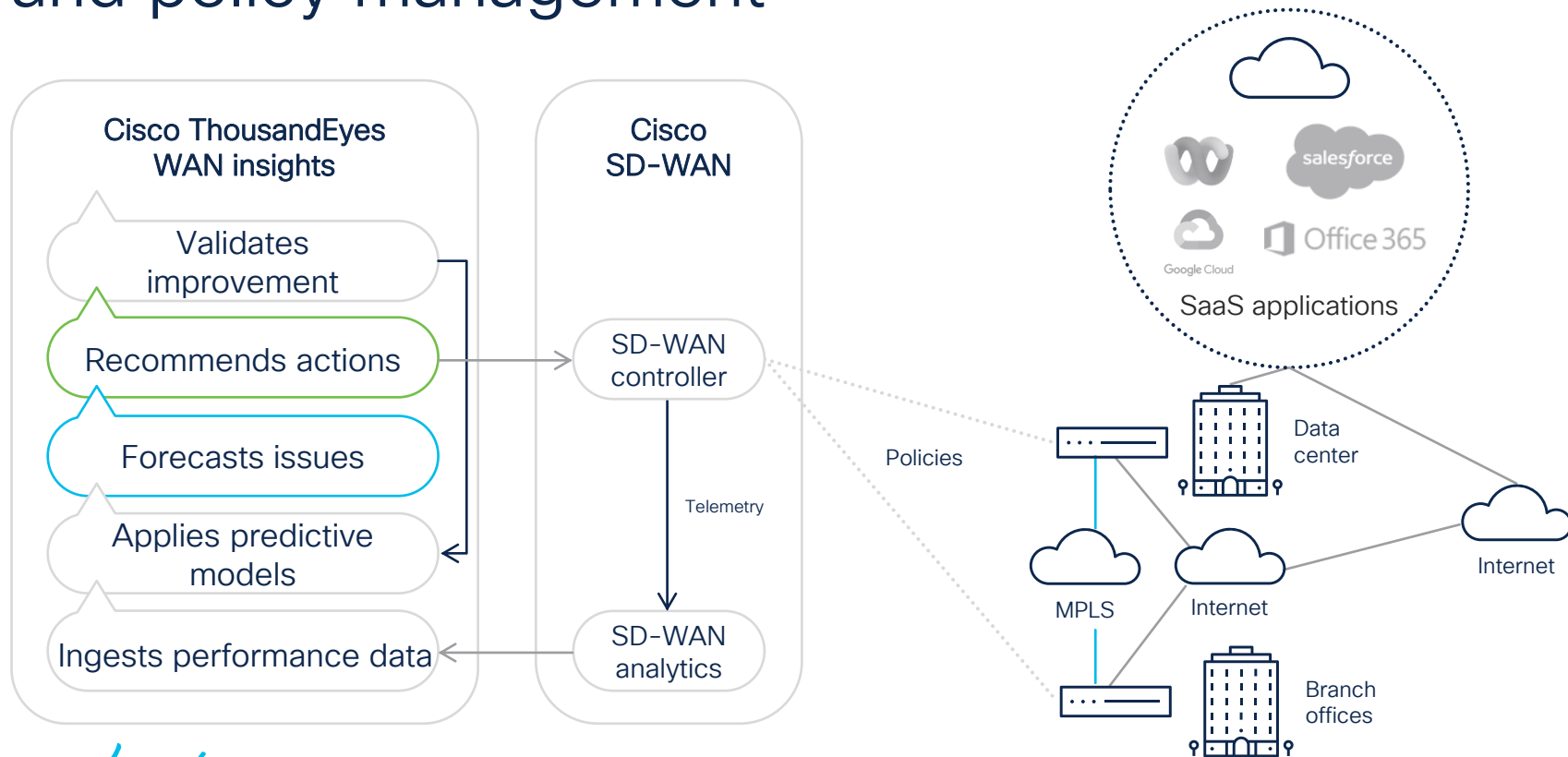
Actionable AI-enhanced analytics and automation combine to provide predictive insights – delivering operational resilience, simplicity, and agility.

Cisco's journey to predictive infrastructure



AI-enhanced infrastructure from device to app

Predictive SD-WAN for data-driven routing and policy management



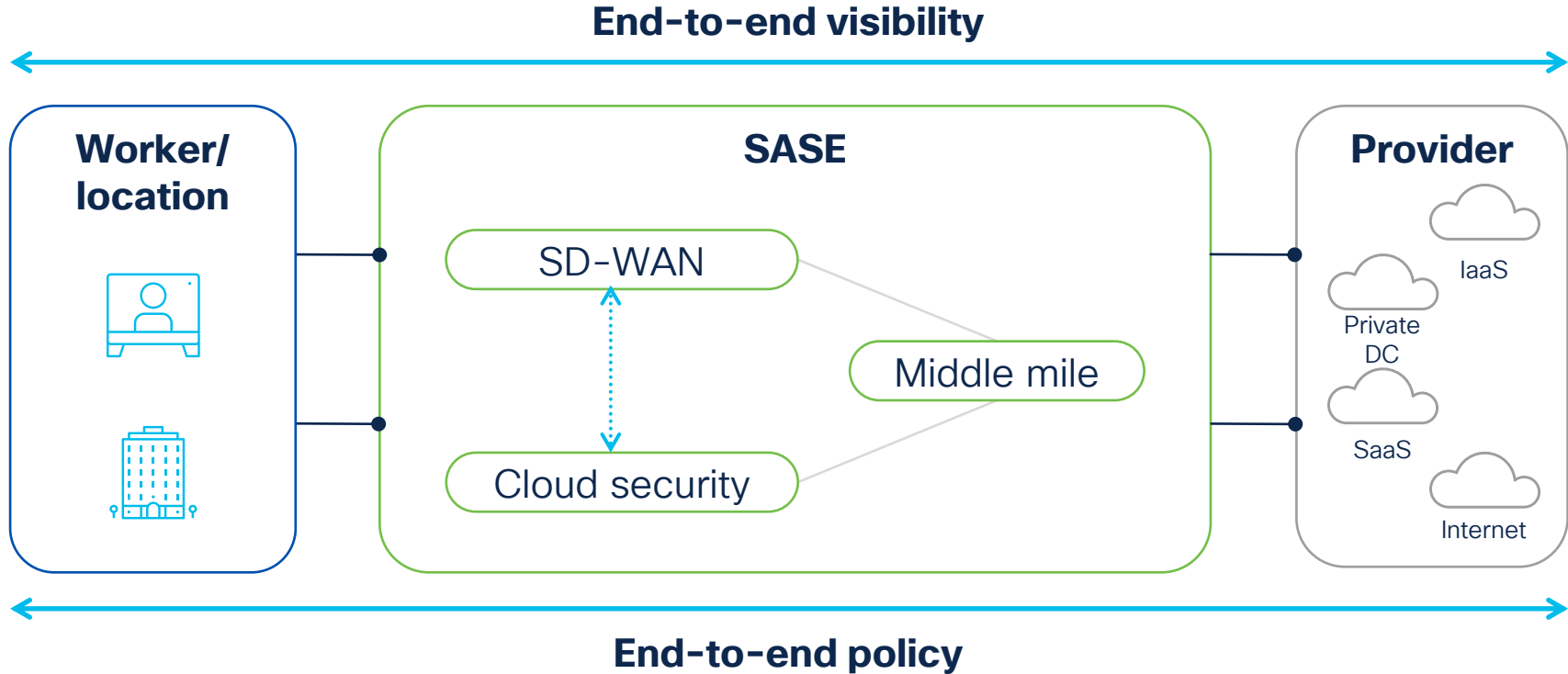
2 Cloud-oriented infrastructure

50% Of mission-critical apps will be hosted in public clouds by 2022.

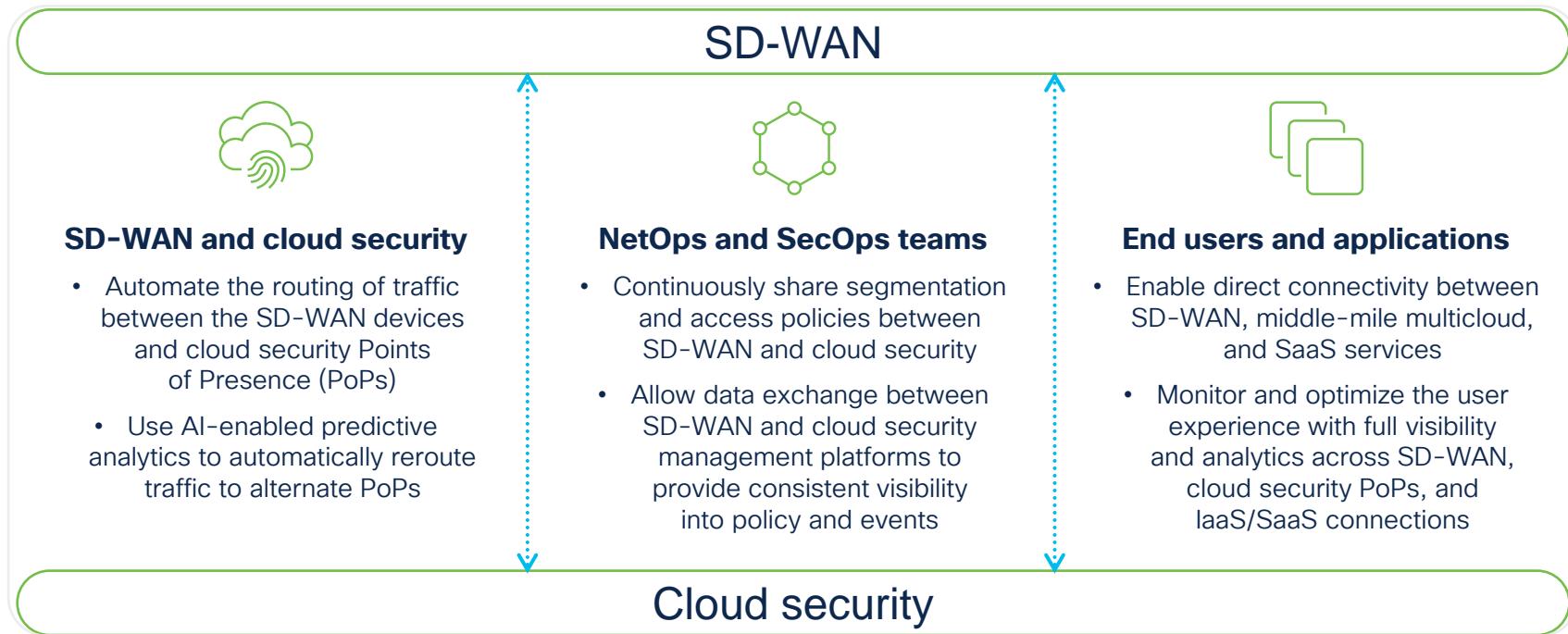
The Cisco networking promise

Networks that deliver visibility and secure experiences anywhere – from user to cloud-based workloads.

SASE enabling secure cloud access anywhere



Multiple integration points for a complete SASE solution



3 Self defending

90%

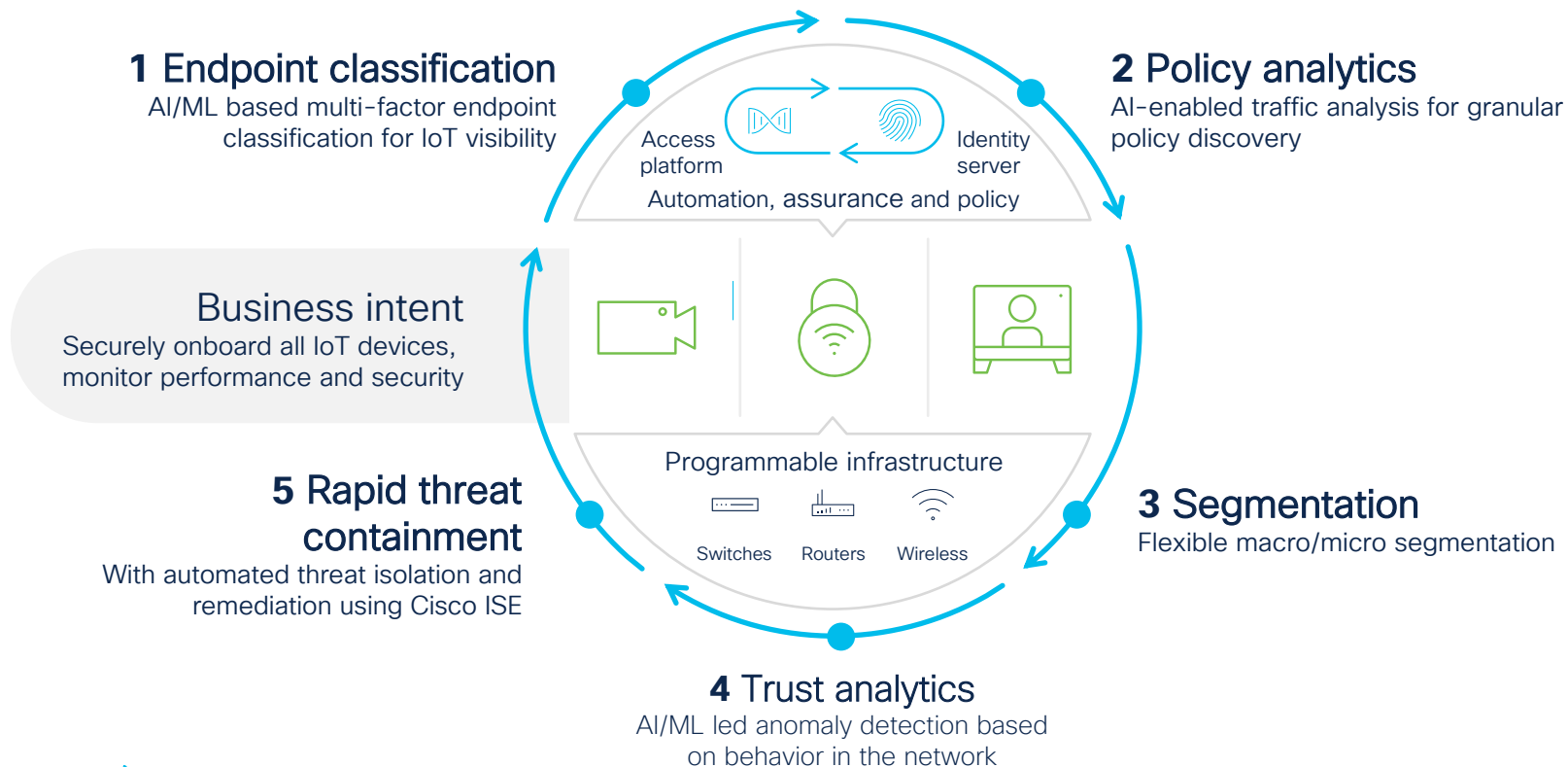
More than 90% of organizations acknowledge being attacked by malware.

The Cisco networking promise

Protect users and applications by maintaining access policies across networking and security and leverage automated workflows to align NetOps and SecOps



Complete zero trust networking workflow



4 Ubiquitous mobility model

51%

of organizations have struggled to connect workers to company resources over the past 18 months.

The Cisco networking promise

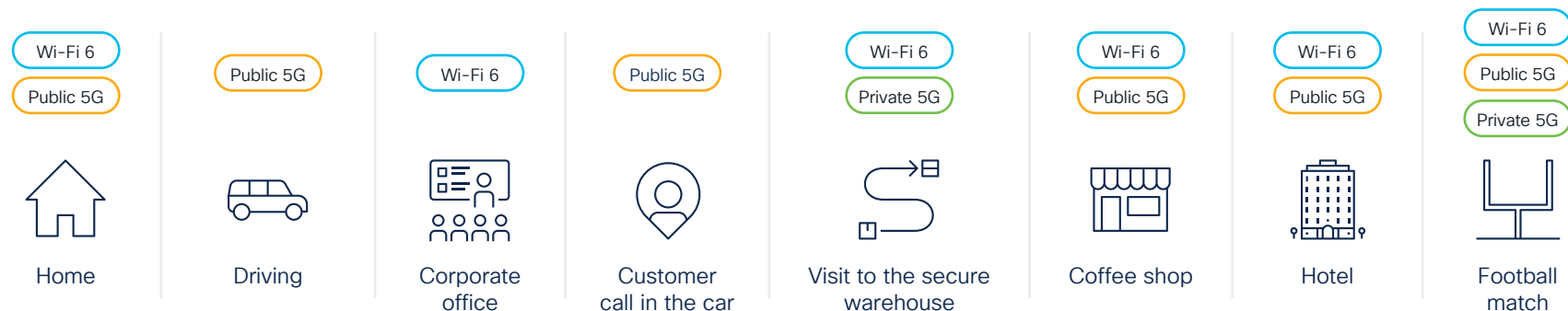
Wi-Fi 6E, public and private 5G deliver high performance connectivity while consistent policy keeps users and devices secure, anywhere.



The vision: intelligent access-as-a-service

Smart convergence—seamless roaming across enterprise and service provider based on context and policy

Converged access for people and things



For uninterrupted, secure experience, everywhere, we need...

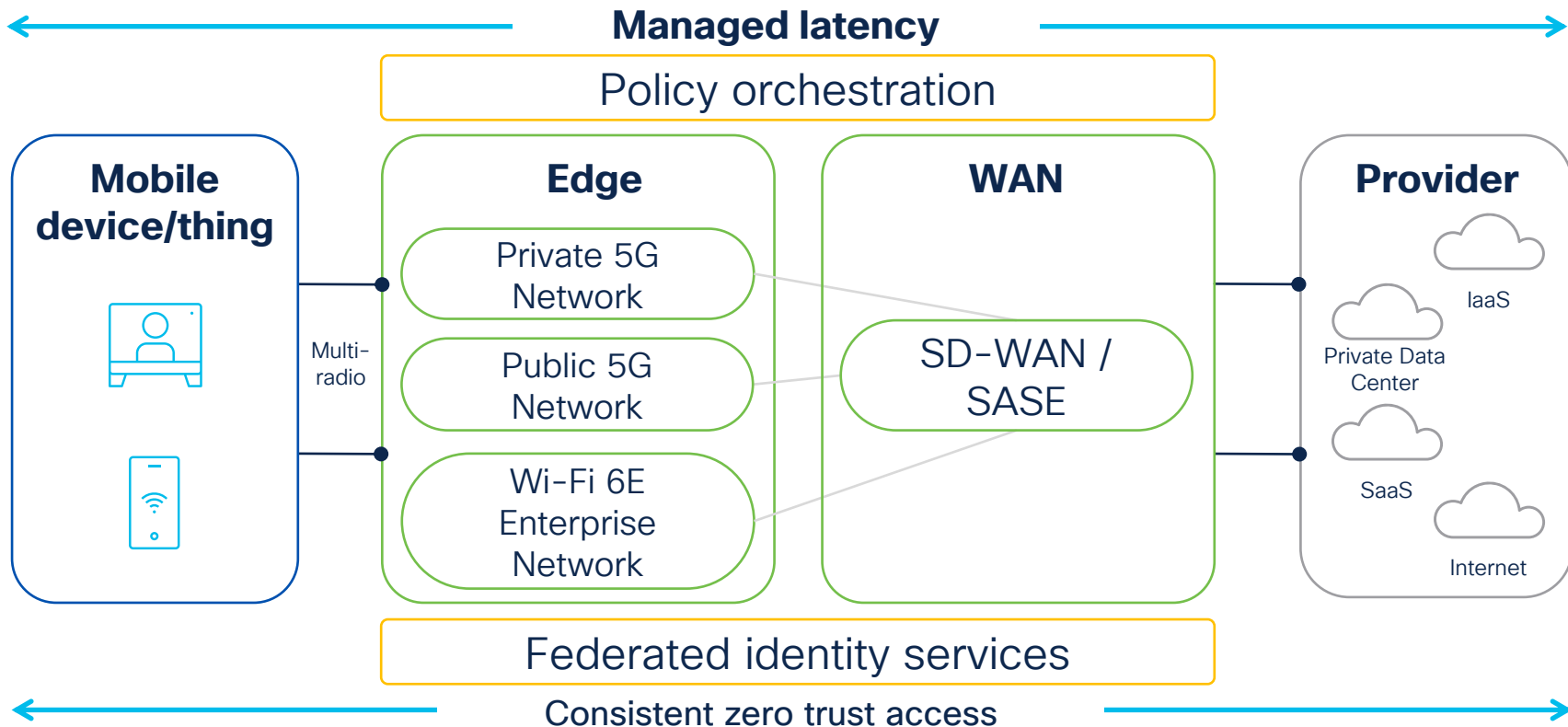
**Frictionless
onboarding**

**Seamless
interworking**

**Seamless
mobility**

Cross-pollinated and federated service policy

Common Identity services and policy enforcement across all platforms.



5 Adaptive consumption models

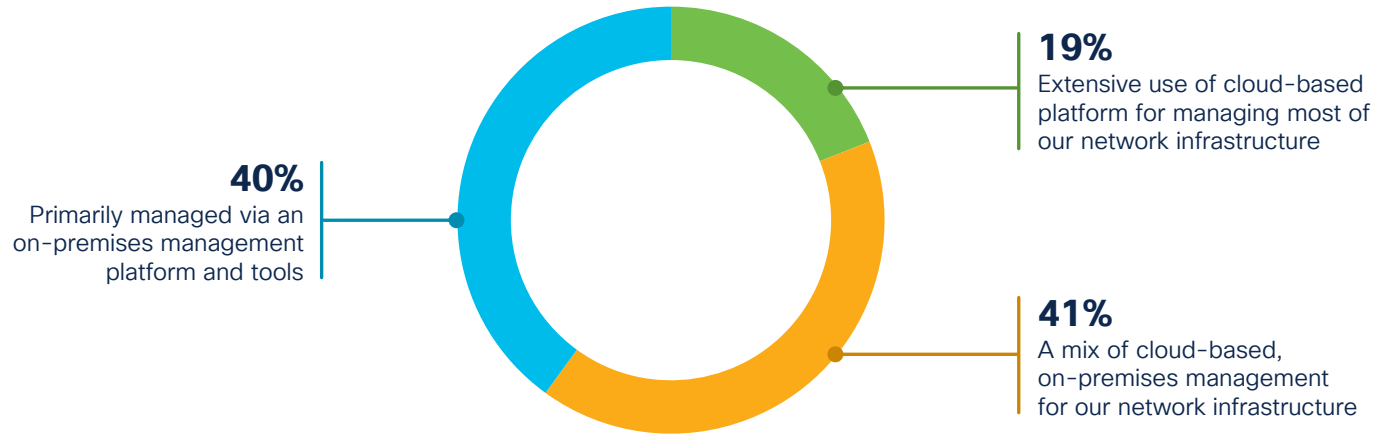
60% of IT organizations are already using cloud-based management in some way.

The Cisco networking promise

Your journey, your way – choose network lifecycle management, consumption models, and commercial models to best meet your IT and business priorities.

Managing network infrastructure

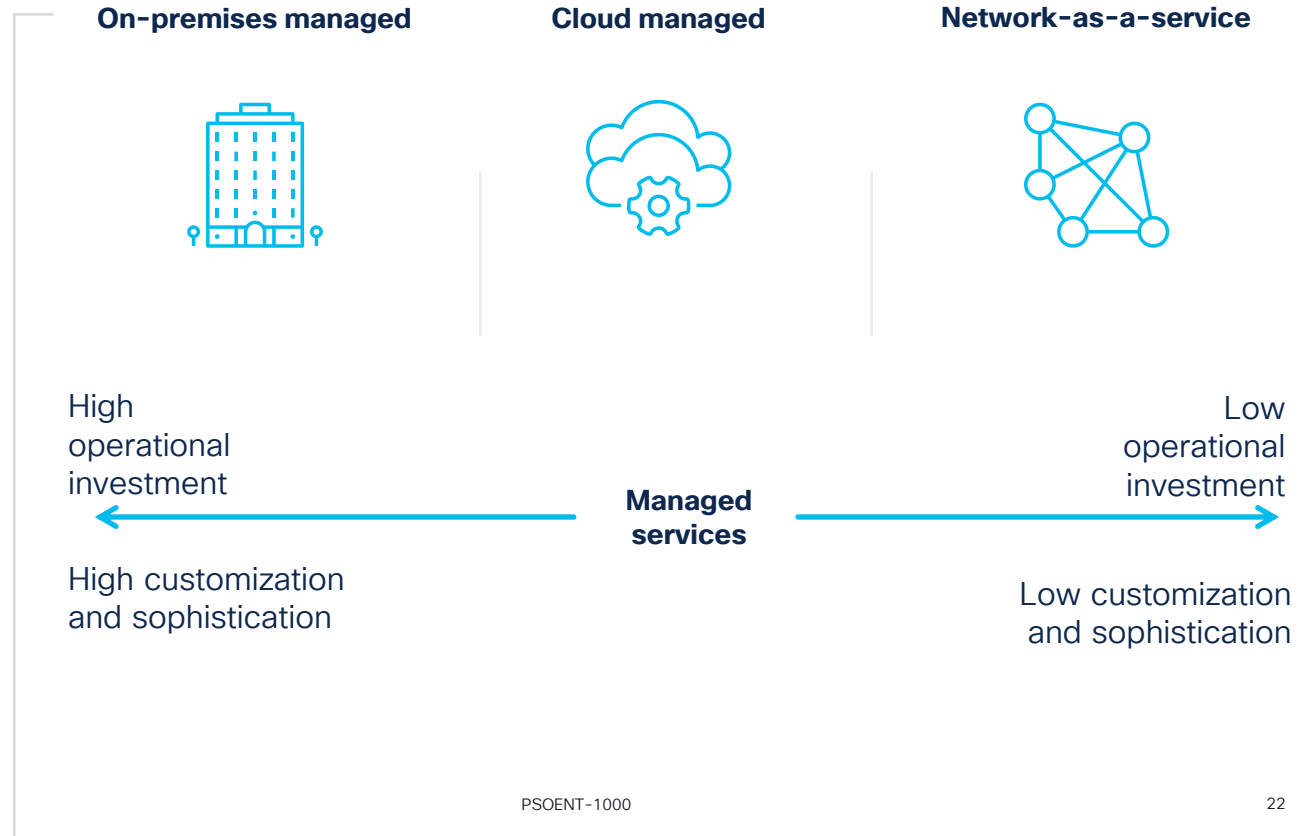
How extensively, if at all, does your organization currently use a cloud-based management platform for managing your network infrastructure?



Only 1 in 5 organizations use cloud-based management platforms extensively; organizations are split between a mix of cloud-based and on-premise platforms.

On premises vs. cloud managed vs NaaS

Choice of
network
consumption
options built to
support IT and
business
requirements



Conclusion

Paving the Way for the Future of Networking



Predictive

To pre-empt problems and streamline processes



Cloud-oriented

To enable secure multicloud, cloud-native, and edge deployments



Self-defending

To protect users, data and applications in a zero-trust world



Ubiquitous

To deliver consistently secure mobile and IoT experiences everywhere



Adaptive

To deploy your way and align to different IT operational priorities



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Thank you

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