ENABLING HYBRID & MULTI-CLOUD NETWORKING

Traditional network architectures simply cannot keep pace with changing business needs and models. Digital transformation, DevOps processes and cloud adoption are driving the need for more agile, automated networks based upon software-defined technologies.

54% of IT professionals say their network is more complex than it was two years ago.

37% say lack of automation of manual tasks is the top data center networking challenge.

30% of organizations plan to use network automation in the next 12 to 24 months.

40% of workloads will be deployed in the cloud by 2023, up from 30 percent in 2020.

35% of organizations adopting a multi-cloud strategy will use a single-network software stack by 2025, a 10X increase over 2021.

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FACTORS DRIVING THE NEED FOR NETWORK MODERNIZATION

LACK OF AUTOMATION
Manual, error-prone network management processes consume IT resources and increase operational costs.

SKILLS GAPS
Network administration requires vendor-specific skill sets that are difficult to find in today’s marketplace.

SLOW PROBLEM RESOLUTION
It is unable to rapidly troubleshoot and resolve network outages, performance problems and security issues.

INABILITY TO MEET BUSINESS DEMANDS
Network administrators cannot keep pace with accelerated application and workload rollouts.

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IMPROVED EFFICIENCY
Automated tools and centralized administration eliminate time-consuming box-by-box management.

MAXIMIZED RELIABILITY
Consistent policy-based automation minimizes human error, while end-to-end visibility enables rapid problem resolution.

ENHANCED SECURITY
It has more granular control over security policies, and automated tools can automatically redirect traffic when anomalies are detected.

GREATER AGILITY AND SCALABILITY
Network services can be provisioned in minutes and scaled on demand.

Inadequate Cloud Support
The network was not designed for a hybrid cloud and multi-cloud strategy, and does not provide full visibility of physical and virtual resources.

Skills Gaps
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Slow Problem Resolution
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Inability to Meet Business Demands
Network administrators cannot keep pace with accelerated application and workload rollouts.

Benefits of a Highly Automated, Software-Defined Network

- Consistent policy-based automation minimizes human error, while end-to-end visibility enables rapid problem resolution.
- Automated tools and centralized administration eliminate time-consuming box-by-box management.
- Improved efficiency
- Maximized reliability
- Enhanced security
- Greater agility and scalability