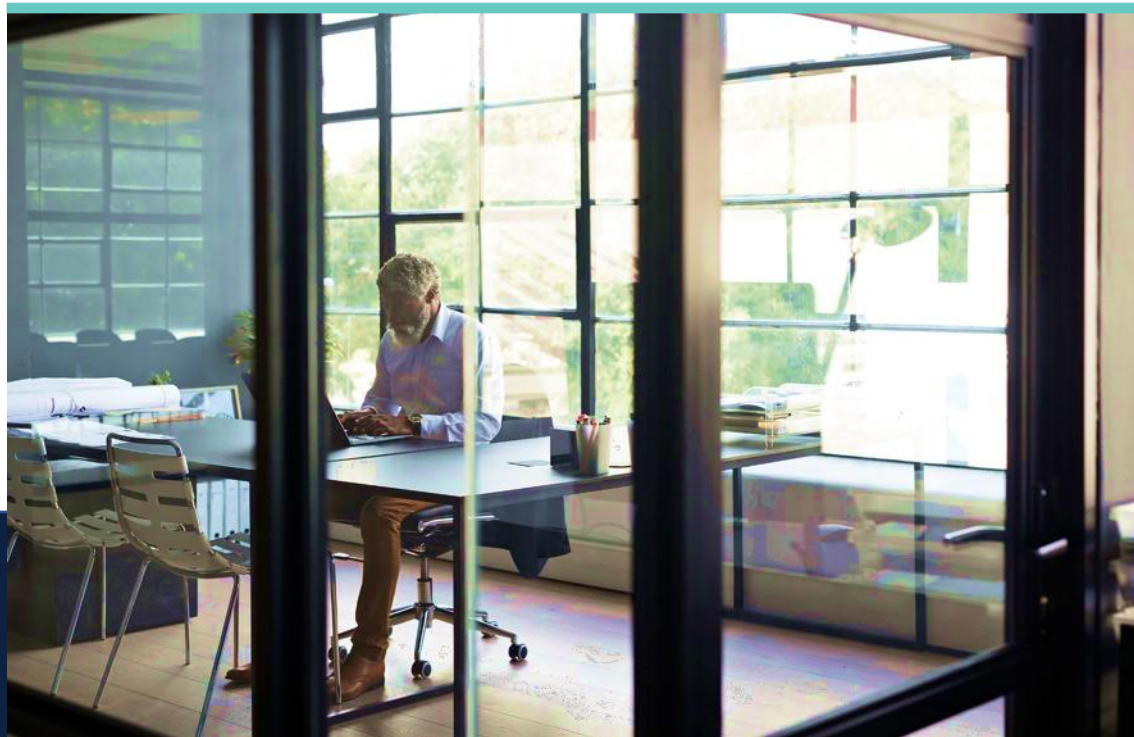# NETWORK SECURITY TRENDS IN TRANSPORTATION AND LOGISTICS

SUMMARY RESULTS

MAY 2025

EXECUTIVE SUMMARY

- We surveyed IT and network security leaders across the transportation and logistics sector—including airlines, freight carriers, and warehousing providers—to understand how they're planning for the next wave of connectivity demands.

- To uncover the operational pain points of modern network management, we asked about their top priorities. Leaders emphasized reducing operational costs, improving visibility into network performance and security, and easing the burden on overstretched IT teams.

- Network security remains a central concern, with top risks including malware and ransomware threats, policy enforcement, and remote access control. As organizations navigate the growing complexity of GenAI and hybrid infrastructure, most are still early in their preparedness journey—underscoring the need for converged, cloud-ready solutions.

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WHO DID WE SURVEY?

Between February and May 2025, Gatepoint Research invited selected executives to participate in a survey themed *Network Security Trends in Transportation and Logistics.*

Candidates from the transportation and logistics industries were invited via email and 47 executives have participated to date.

Management levels represented include: 8% who hold the title CxO or are VPs, 38% directors, 54% senior or department managers.
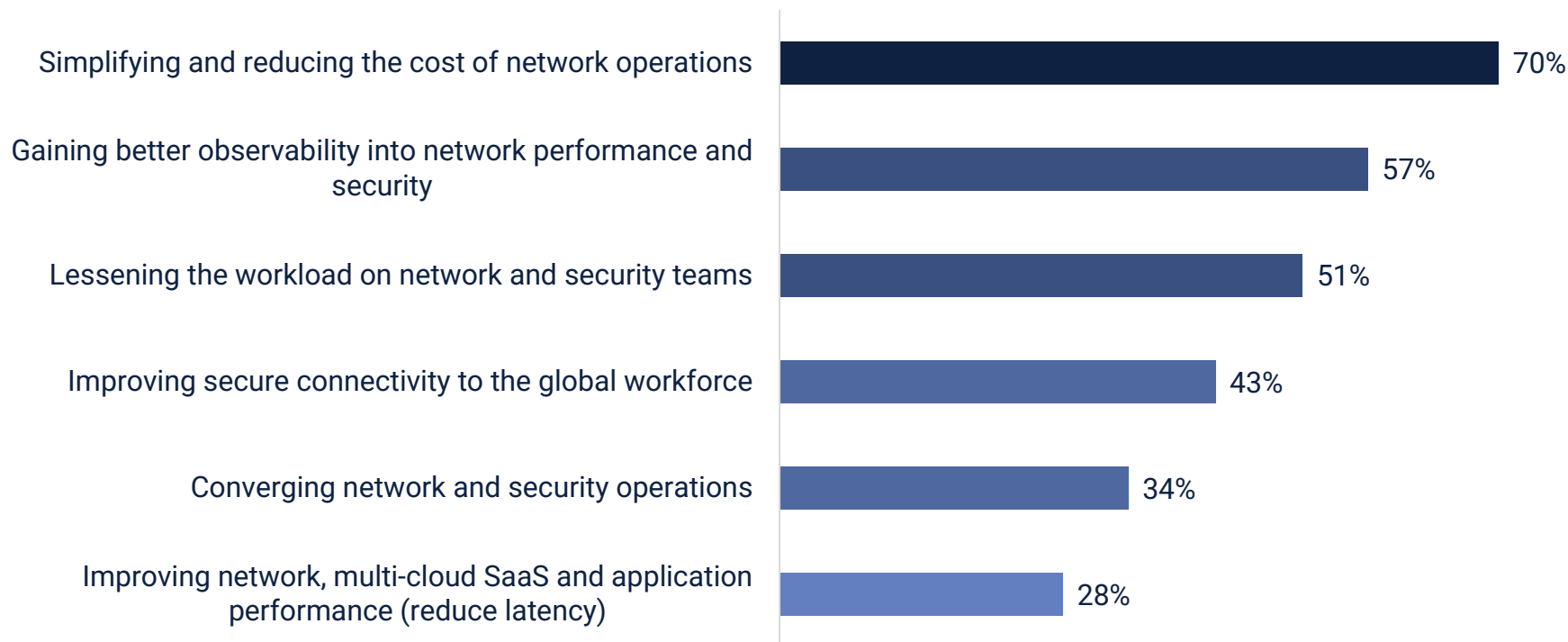
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JOB LEVEL

46% of respondents to this survey hold executive or director-level positions in their organization.

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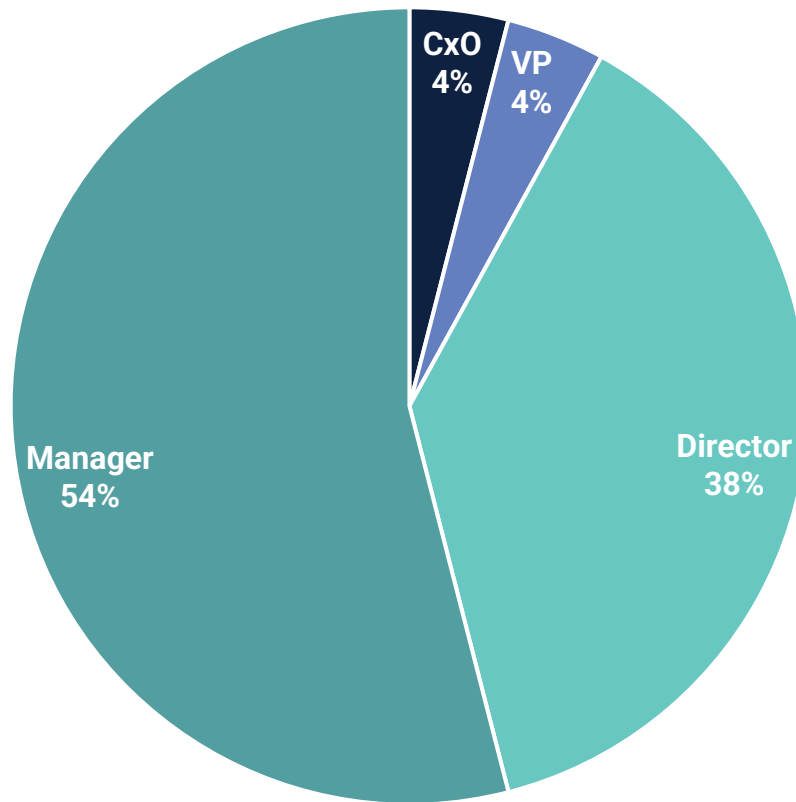
What are your top three networking and network security priorities in the next 12 months?

Priority	Percentage
Simplifying and reducing the cost of network operations	70%
Gaining better observability into network performance and security	57%
Lessening the workload on network and security teams	51%
Improving secure connectivity to the global workforce	43%
Converging network and security operations	34%
Improving network, multi-cloud SaaS and application performance (reduce latency)	28%

Respondents are focused on optimizing network management primarily by streamlining and lowering the cost of network operations (70%). Improving visibility into network performance and security (57%) and lessening the workload on network and security teams (51%) round out the top three priorities.

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How many networked facilities do you have (include factories, branch offices, distribution centers, etc.)?

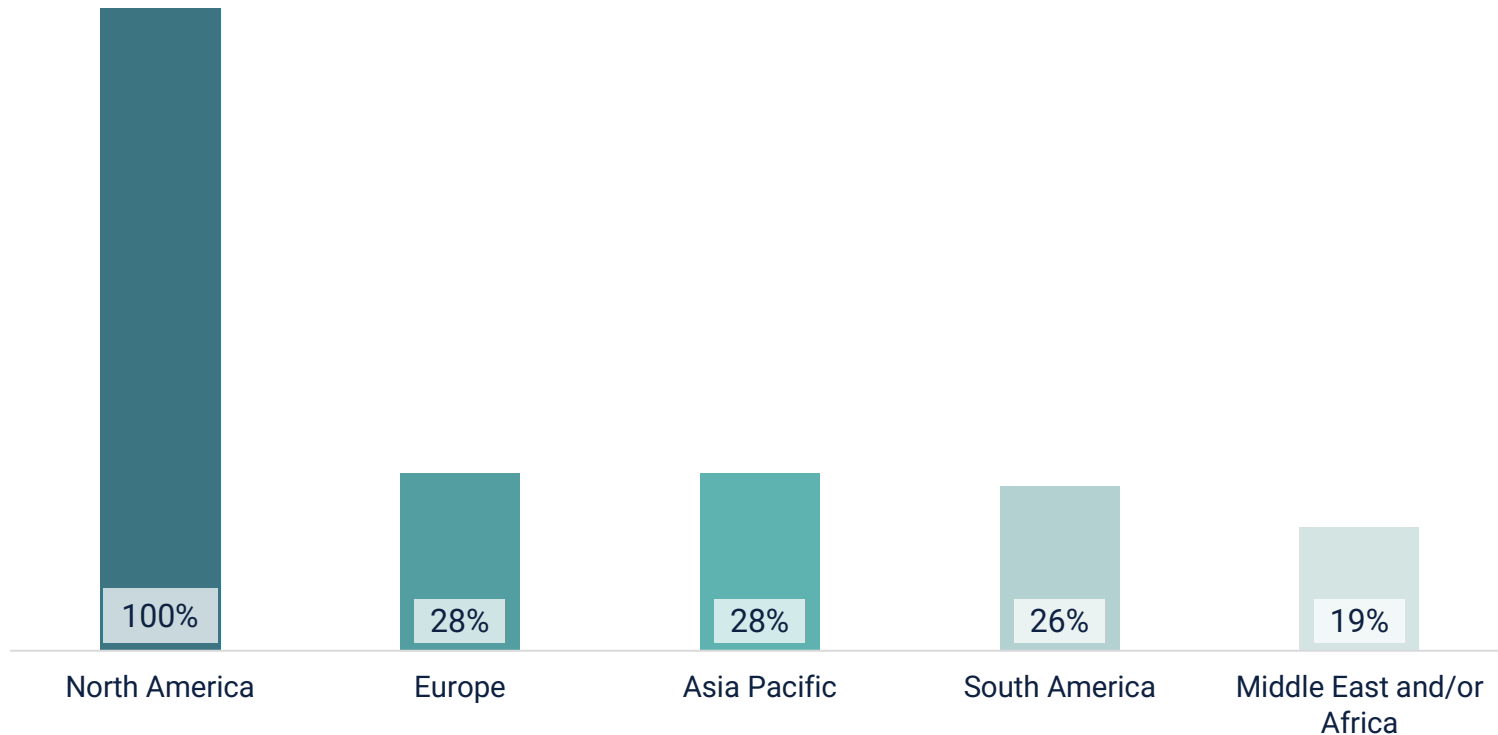| Fewer than 5	6 to 25	26 to 100	100 or more
12%	26%	17%	45%
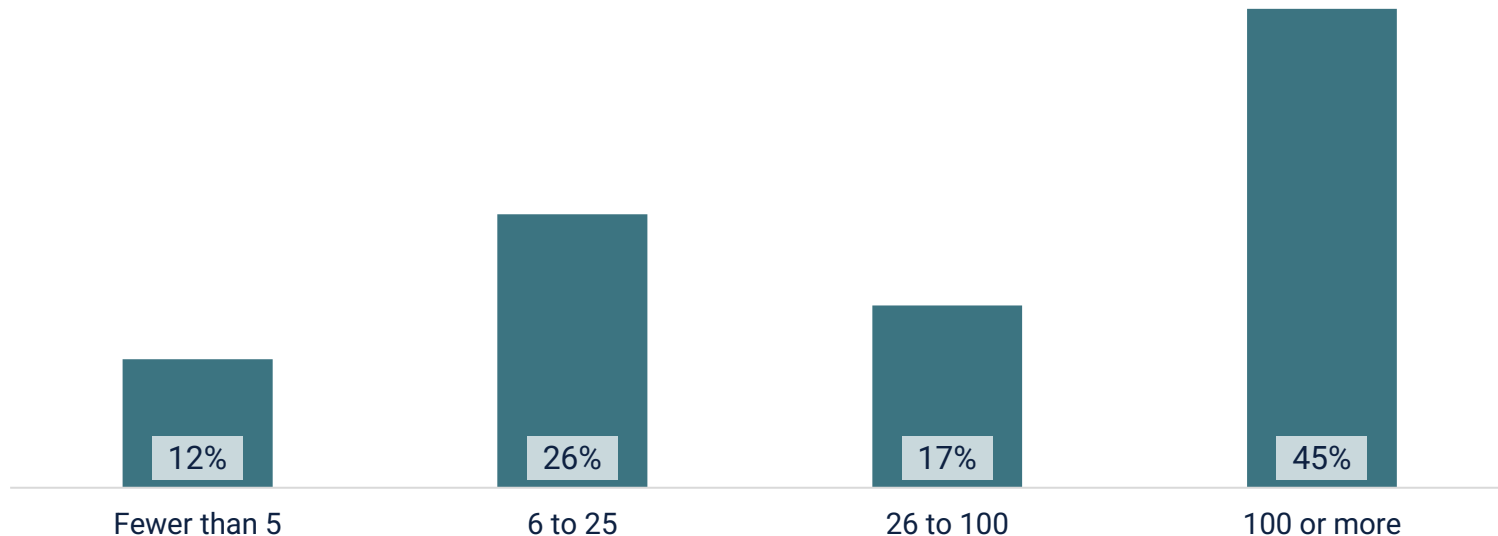
Including factories, branch offices, distribution centers, etc., surveyed transportation and logistics companies tend to have 100 or more networked facilities (45%), and a considerable amount operate with between 6 and 25 (26%).

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Where are your connected facilities located?

| North America	Europe	Asia Pacific	South America	Middle East and/or Africa
100%	28%	28%	26%	19%

All respondents have connected facilities in North America. Europe (28%), Asia Pacific (28%), and South America (26%) are the next most common locations, with fewer in the Middle East and/or Africa (19%).

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Where do your critical applications sit?

| Cloud	Private data center	Mix of both
13%	13%	74%
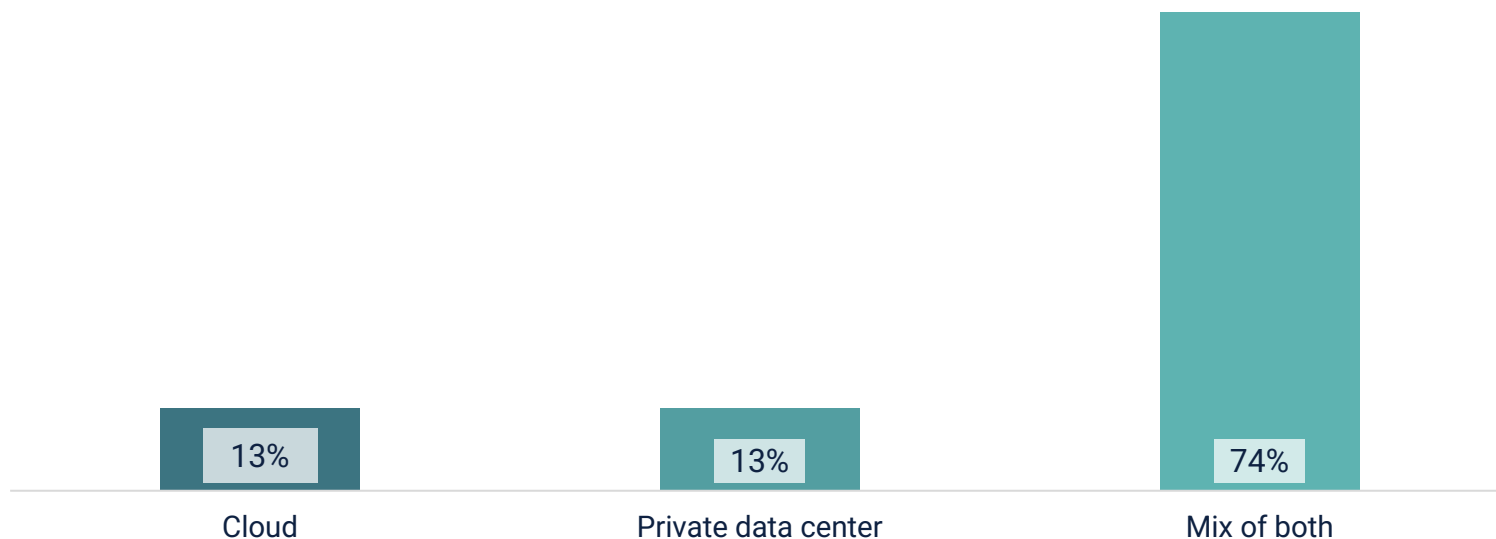
Very few critical applications reside in an exclusive location; 74% say they utilize a mix of cloud and private data centers.

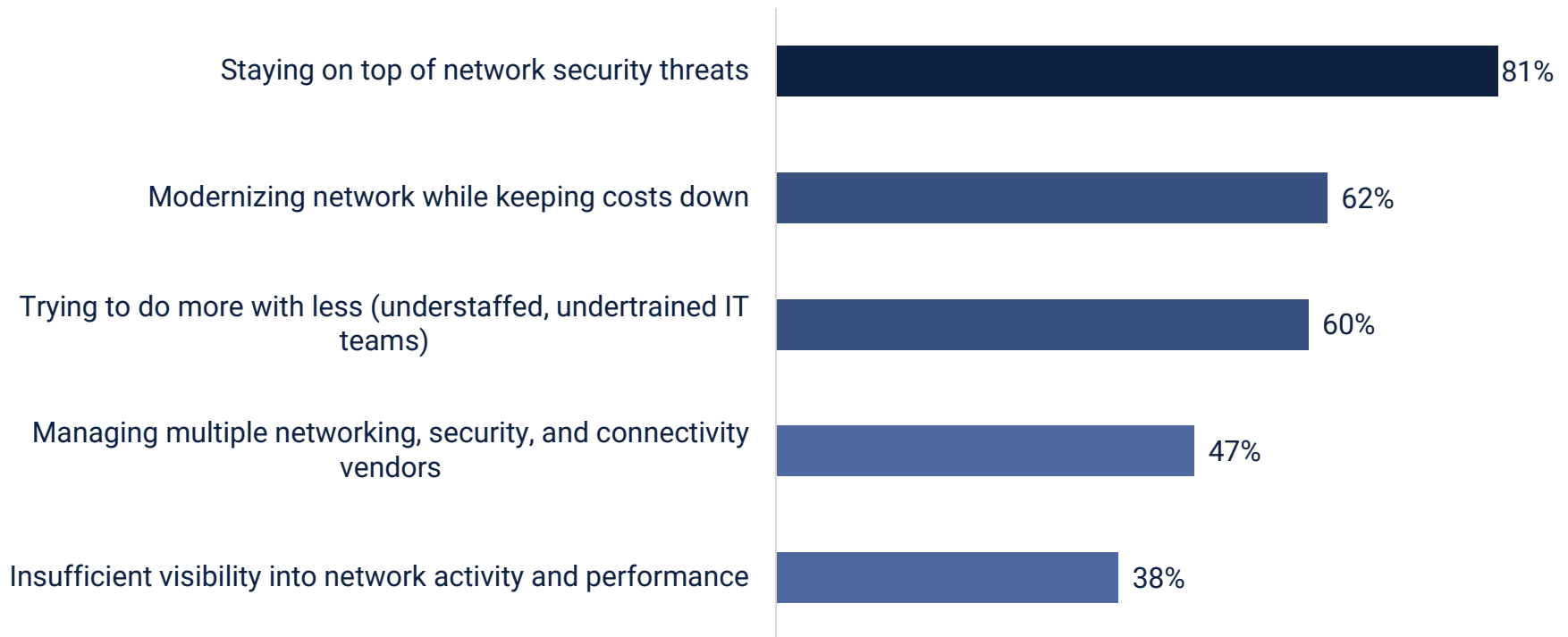Summary Results | May 2025

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Is your organization on a migration path to move legacy applications to the cloud?

Most are on their way to moving legacy applications to the cloud.
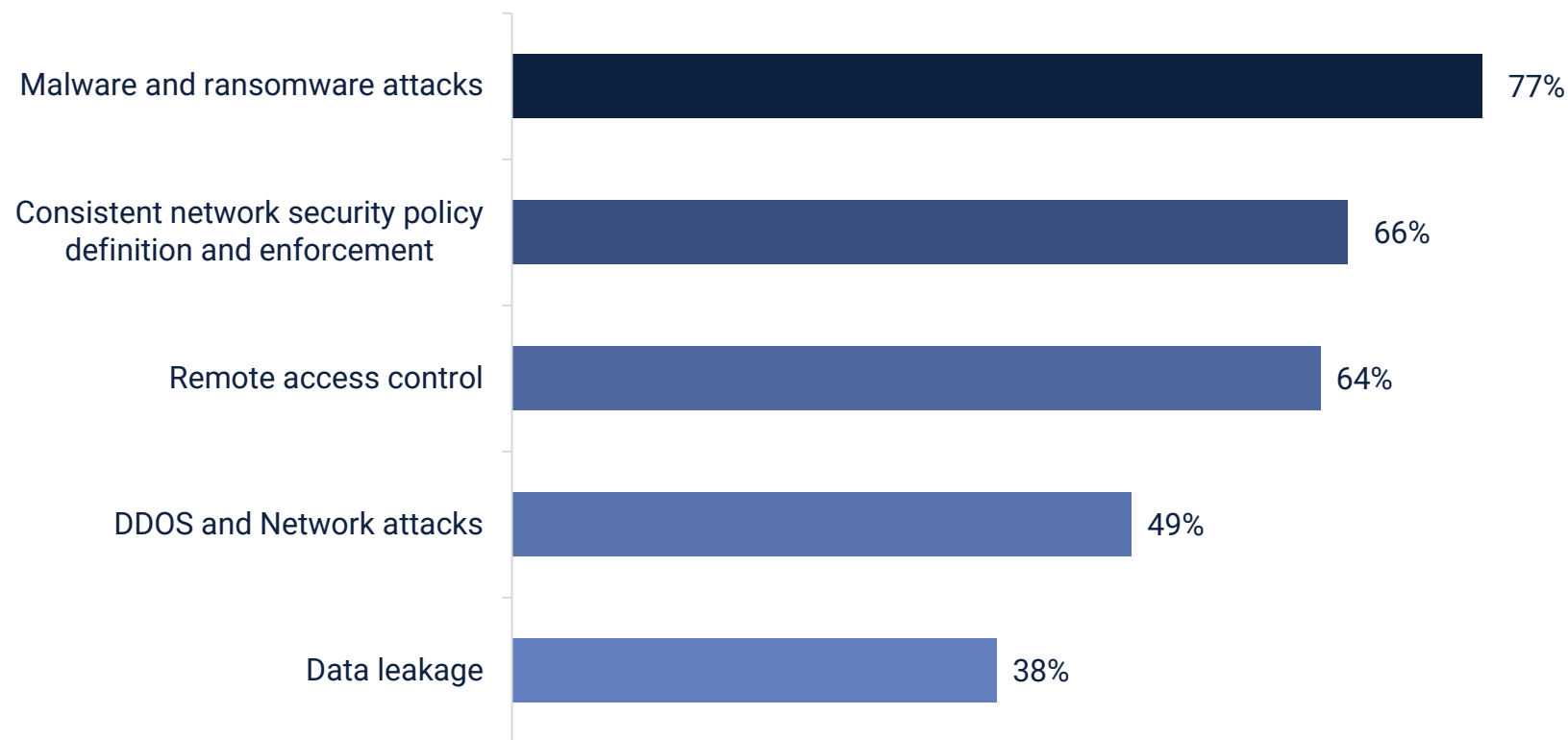

Not sure
17%

No
30%

Yes
53%

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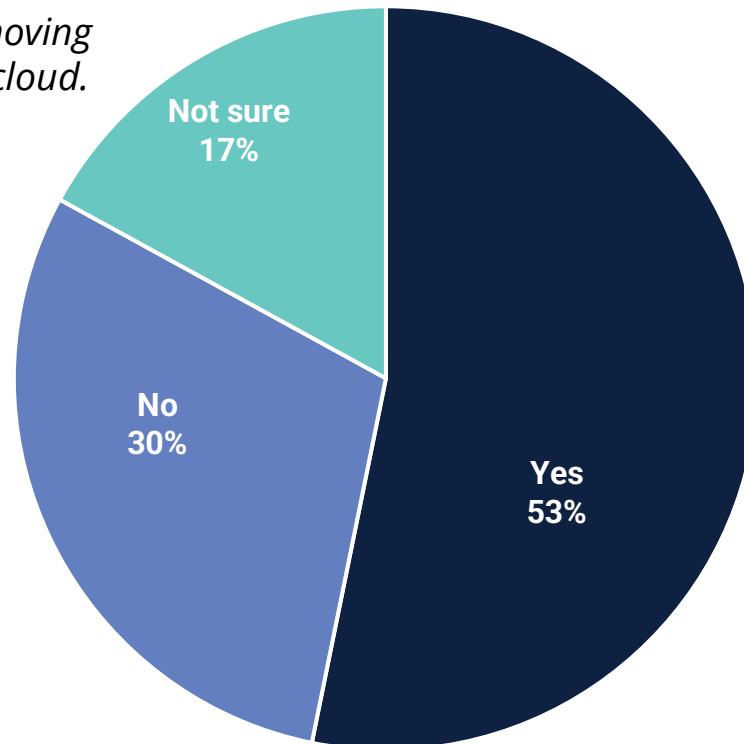
What are your top three day-to-day networking challenges?

Bar chart:
- Staying on top of network security threats — 81%
- Modernizing network while keeping costs down — 62%
- Trying to do more with less (understaffed, undertrained IT teams) — 60%
- Managing multiple networking, security, and connectivity vendors — 47%
- Insufficient visibility into network activity and performance — 38%

The top networking challenges are staying on top of network security threats (81%), followed by modernizing the network while keeping costs down (62%), and trying to do more while dealing with understaffed or undertrained IT teams (60%).

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What are your top three networking security concerns?

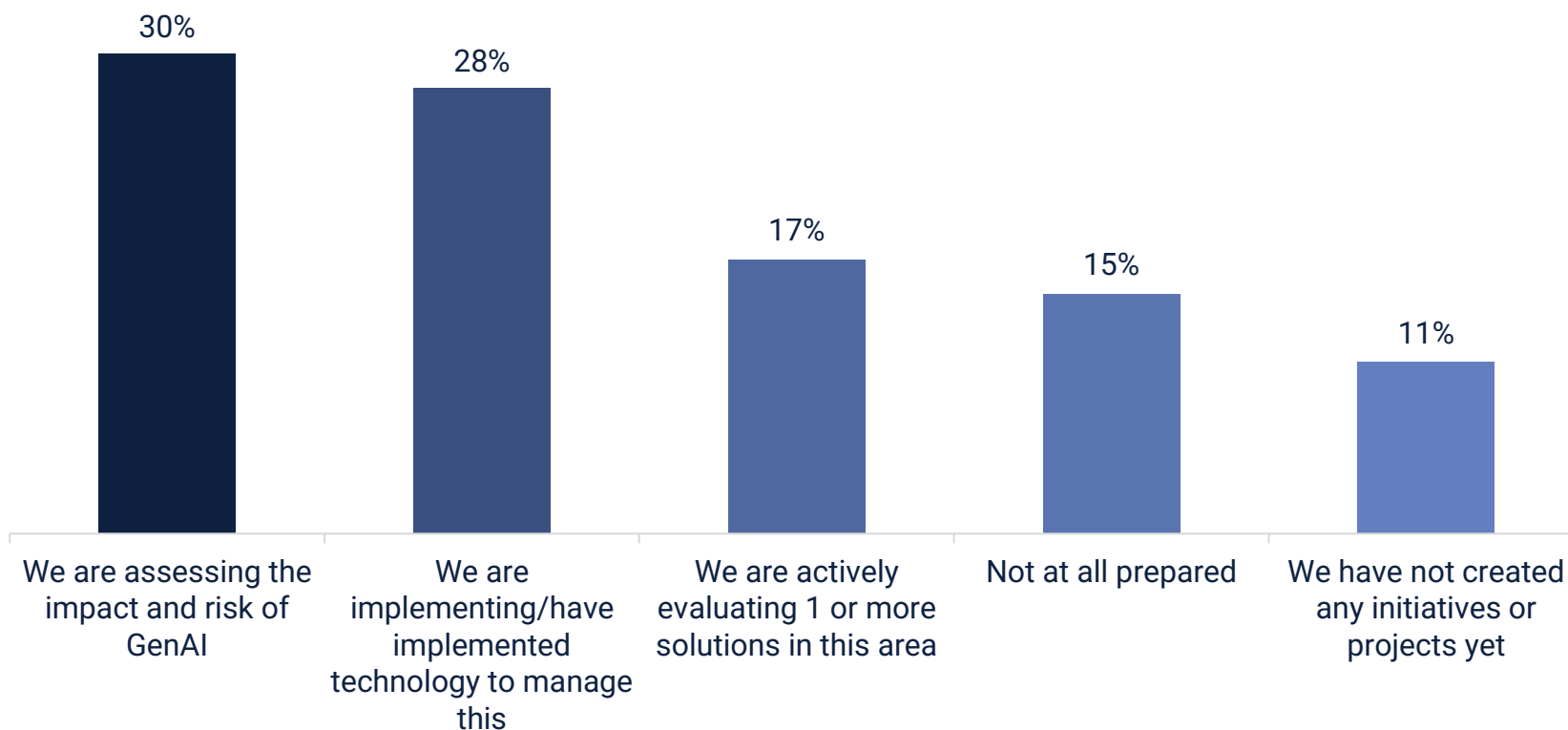| Concern	Percentage
Malware and ransomware attacks	77%
Consistent network security policy definition and enforcement	66%
Remote access control	64%
DDOS and Network attacks	49%
Data leakage	38%

Transportation and logistics organizations are most concerned with network security issues like safeguarding systems from cyber threats such as malware and ransomware (77%), enforcing security policies (66%), and managing remote access control (64%).

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How prepared is your team to deal with any network capacity and security issues related to GenAI applications?

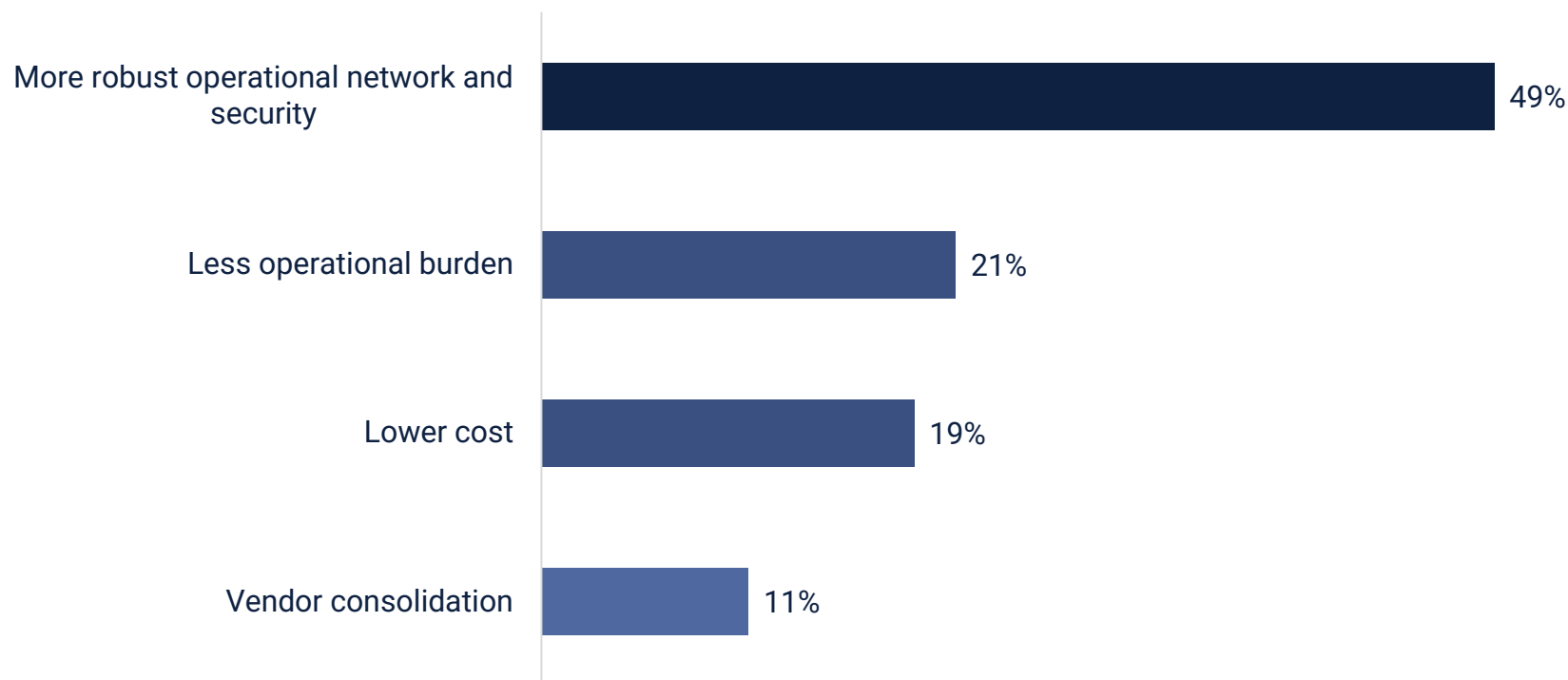| We are assessing the impact and risk of GenAI | We are implementing/have implemented technology to manage this | We are actively evaluating 1 or more solutions in this area | Not at all prepared | We have not created any initiatives or projects yet |

- 30%
- 28%
- 17%
- 15%
- 11%

Most organizations are still in the early stages of addressing GenAI-related network and security issues, with 30% assessing impact and risk and 28% already implementing solutions. However, 26% remain unprepared or inactive.

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What do you consider the main benefit of converging networking and security?

Category	Percentage
More robust operational network and security	49%
Less operational burden	21%
Lower cost	19%
Vendor consolidation	11%

Respondents agree, converging networking and security results in a stronger and more effective operational environment for both network management and security measures (49%).

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What is your IT organization's perceived value of implementing application security at the network edge?

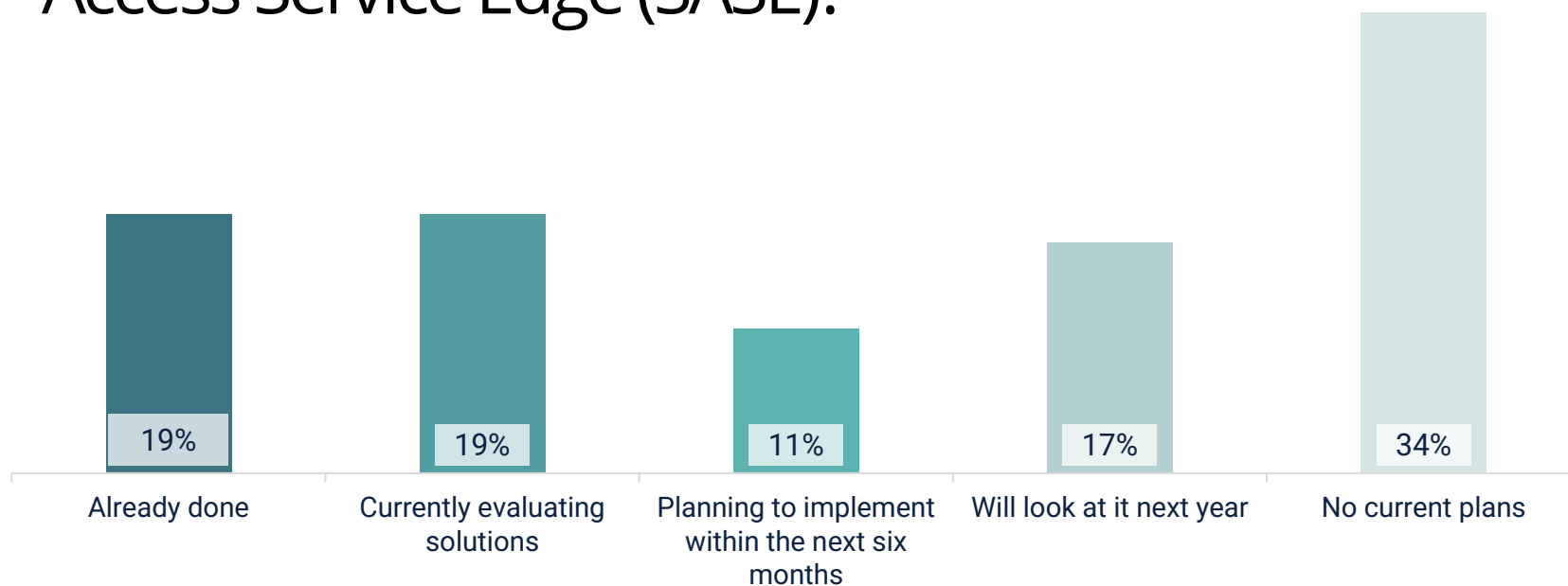|			
40%	26%	23%	11%
View as mission critical	Only some stakeholders are aware	Need more information to better understand it	No interest

Respondents are split. 40% consider implementing application security at the network edge as highly valuable, while 26% say only some stakeholders are aware, and many (23%) say they need more information.

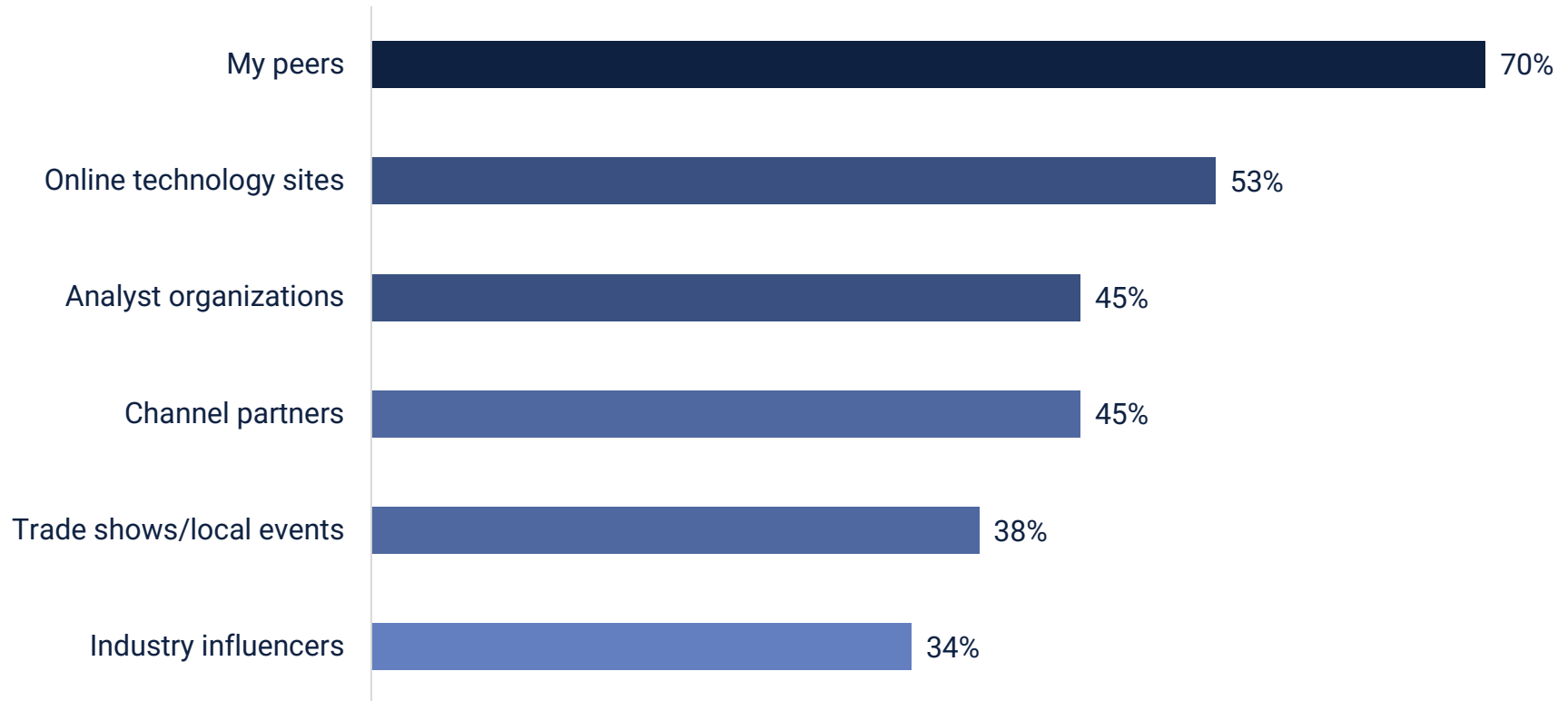Summary Results | May 2025

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When do you plan to implement a converged networking and security solution such as Secure Access Service Edge (SASE)?

Already done	Currently evaluating solutions	Planning to implement within the next six months	Will look at it next year	No current plans
19%	19%	11%	17%	34%

For the 81% who have not already implemented a converged solution, 30% are in the early planning stages, either currently evaluating solutions or intending to implement SASE within the next six months. 17% will look into solutions next year and over a third have no current plans but may be open.

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Who are the top three resources you rely on for technology advice?

Resource	Percentage
My peers	70%
Online technology sites	53%
Analyst organizations	45%
Channel partners	45%
Trade shows/local events	38%
Industry influencers	34%

Leaders in technology and logistics go to their peers for technology advice, say 70%. Online technology sites garner traction from 53%, while analyst organizations and channel partners are in use by 45% each.

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About the Company

Aryaka offers a SASE (Secure Access Service Edge) as a Service solution that converges Wide Area Networking, Security, Observability, and Multi-Cloud, SaaS, AI workloads, GenAI and Application Performance into a single platform, which empowers enterprises to modernize, optimize and transform their networking and security environments.

Learn more at aryaka.com

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