

7 Insights into Today's Network Monitoring and Management Approaches

Managing today's complex networks isn't an easy task to navigate. Network operations teams must contend with a variety of platforms along with multiple monitoring and security tools designed to keep the network secure and running smoothly.

What monitoring and management trends and challenges are IT and network operations executives experiencing today?

Gigamon partnered with Gatepoint Research, an independent research firm, and surveyed 300 network operations and information security leaders to find out.

01

INFRASTRUCTURE TRENDS

While 90% of organizations still maintain an on-premises environment, more than 60% of respondents also reported public and/or private cloud use at their organization. This points to the prevalence of hybrid deployments, which has its own set of challenges.

02

MORE STRESSFUL NETWORK ISSUES

The majority of respondents listed downtime (72%) as their most insomnia-inducing network issue. Performance (51%) and emerging security threats (50%) also cause some restless nights.

03

DWELLING ON DOWNTIME

Downtime during tool and network upgrades was also a major issue. Nearly half of those surveyed cited it as a problem for their organization.

04

AN ABUNDANCE OF TOOLS

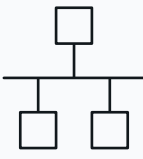
Respondents rely on a broad range of network and security tools.

IDS/IPS



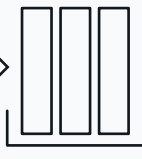
75%

NPMD



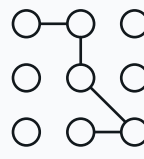
54%

NPB



38%

SIEM



68%

APM



49%

05

GETTING DATA TO TOOLS

Most respondents (72%) are using SPAN ports to get traffic to monitoring tools. About half (55%) use TAPs instead of, or in addition to, SPAN. Together with TAPs, 39% are using a network packet broker (NPB) to send traffic to monitoring tools.

06

ROADBLOCKS

Network blind spots (35%) were cited as the leading obstacle to fast and accurate traffic data transmission to tools and teams. Cloud traffic (27%), encrypted traffic (24%) and intra host traffic (23%) were also commonly reported roadblocks.

07

NETWORK PRIORITIES

More than half (53%) of respondents said security improvements and/or cost reductions are top priorities for the coming months.



Gigamon customers report an overall savings of 40-50% on tooling cost.¹

The first step to simplifying your network management and monitoring is to visit [cspitechsolutions.com](https://www.cspitechsolutions.com).

¹ <https://www.cspitechsolutions.co>