Better Business Resilience Begins with the Alluvio Network Performance Management (NPM) Portfolio

Build a stronger, more adaptable hybrid network. Adapt and prosper with visibility and monitoring tools that boost your network's performance, compliance and security.

Does your hybrid network have what it takes?

- **Remote/branch offices are increasing:** **35%** of organizations operate 25-100 remote offices/branches worldwide.

- **Multi-cloud usage is on the rise:** **40%** of organizations utilize at least 3 public cloud providers.

Remote/Branch Office Environments Increasing

Organizations gaining more value from edge environments

■ Today ■ 24 months from now

	Fewer than 10	10 to 24	25 to 100	101 to 500	501 to 1,000	More than 1,000
Today	8%	41%	35%	12%	3%	1%
24 months from now	1%	10%	27%	35%	22%	6%

Question text: Approximately how many remote offices/branch offices does your organization operate worldwide? How many do you expect your organization to have 24 months from now? (Percent of respondents, N=339)

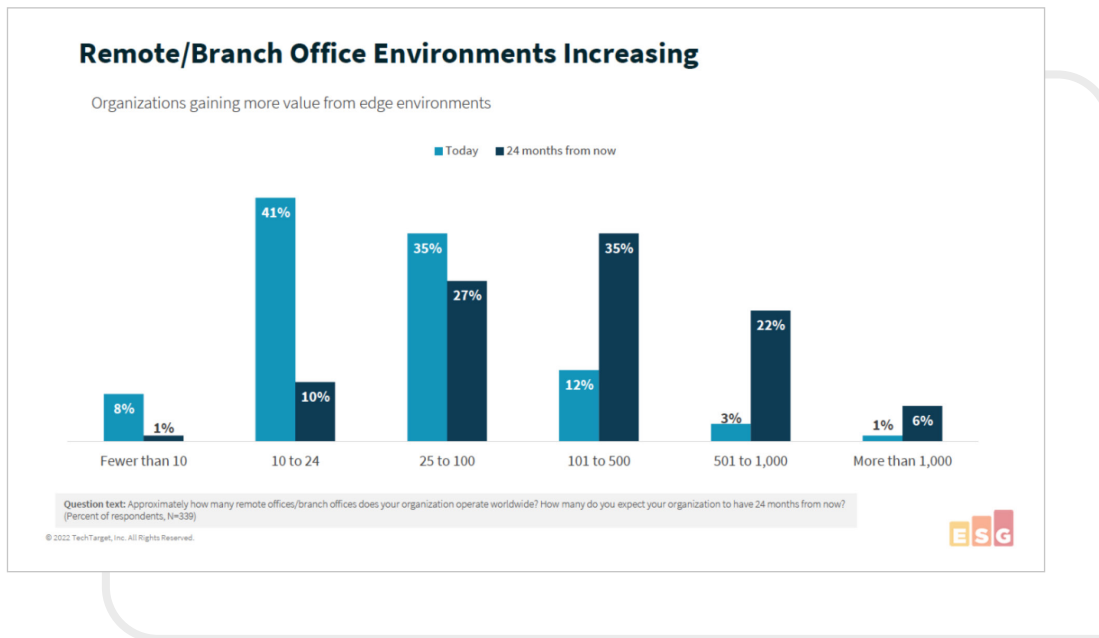© 2022 TechTarget, Inc. All Rights Reserved.

ESG

Fig 1: Enterprise Strategy Group (ESG), End-to-end Network Visibility and Management Trends

Nowadays, hybrid networks are the new normal. The mixture of on- and off-premise technology and users accessing networks from various locations and devices makes for an increasingly complex infrastructure. As a result, NetOps teams managing hybrid networks often struggle with a lack of visibility,

inefficient operations, and security gaps. These challenges can create issues such as network slowdowns, data loss, and security breaches, which in turn lead to lost revenue, customer churn, negative brand perception, and losing pace in the market.

So what's the answer? Strengthening (and streamlining) your hybrid network to be more adaptable and responsive, delivering a better digital experience to your organization's employees and end users. This is the definition of business resilience – and network performance management (NPM) can help you get there.

Optimize your hybrid network with Alluvio NPM

The Alluvio™ NPM portfolio takes your hybrid network to the next level with its proactive approach to visualizing, monitoring, optimizing, troubleshooting, and reporting on your network's health and availability. How? NPM empowers your team to find and fix problem areas faster, and positions your network to address and avoid

issues in the future. The single platform also reduces data conflicts. In the EMA report, Network Observability: Delivering Actionable Insights to Network Operations, 46% of NetOps professionals cited data conflicts between individual tools as one of the most painful data-related challenges in their NetOps toolsets.

What IT professionals have to say about visibility?

According to the Enterprise Strategy Group (ESG) report, End to End Network and Visibility Trends, 68% of IT professionals say that unified observability is very important in their network environment.

- **42%** believe comprehensive visibility helps mitigate risk when making changes.

- **35%** believe comprehensive visibility accelerates troubleshooting.

- **34%** believe comprehensive visibility helps IT teams better understand vulnerabilities and exposures.

Top Reasons for Comprehensive Visibility

Driven by concerns about what is in my network and how can that hurt me

To have a complete view of all network assets	46%
To mitigate risk when making changes	42%
To gain visibility over remote workers	41%
To accelerate troubleshooting	35%
To better understand vulnerabilities and exposures	34%
To reduce the number of tickets submitted	30%
To simplify planning	30%
To reduce MTTR	27%

Question text: Why is unified end-to-end visibility important to your organization? (Percent of respondents, N=337, multiple responses accepted)

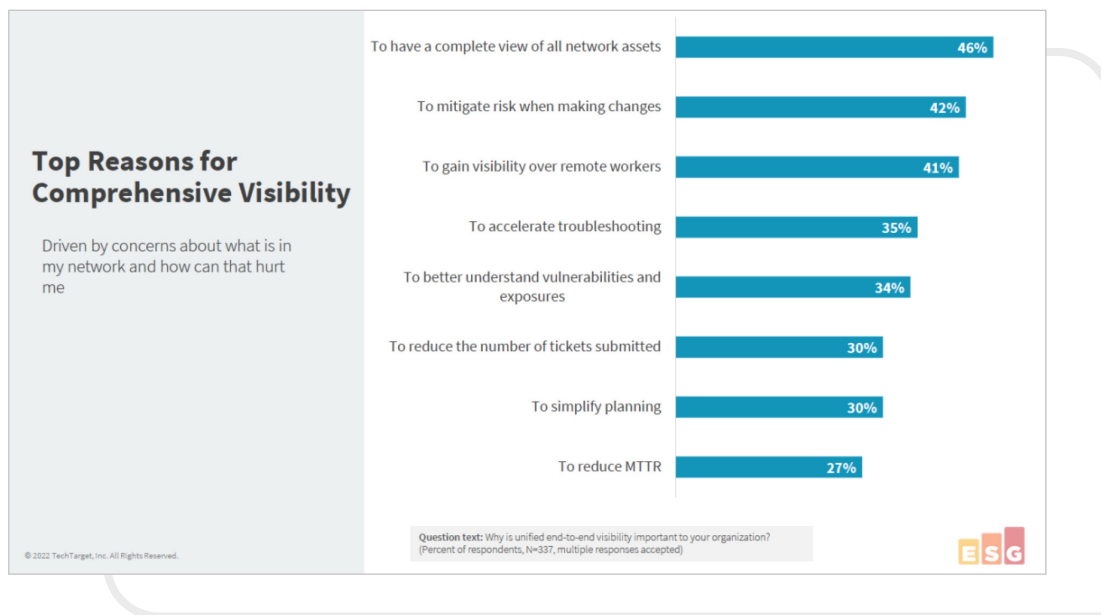© 2022 TechTarget, Inc. All Rights Reserved.

ESG

Fig 2: Enterprise Strategy Group (ESG), End-to-end Network Visibility and Management Trends

Alluvio NPM's products (AppResponse, NetProfiler, NetIM, and Portal) help you build business resilience by improving your network in three key areas: performance, compliance and security.

Elevate your network's visibility and performance

Alluvio NPM boosts your network's performance by highlighting and addressing the underlying causes of application slowdowns and shutdowns. When a NetOps team lacks visibility into their applications, servers, and cloud-native environments, they're unable to correctly troubleshoot network issues like unchecked security threats, application slowdowns and other performance issues. For hybrid networks, a lack of visibility often stems from insight latency and the speed and clarity with which insights are delivered can be the difference between prompt action and a large outage.
This occurs when:

1. Insights are too summarized and miss critical details

2. Are too slow for teams to react

3. Come from siloed sources and/or tools that provide conflicting or incomplete data

In addition, full-fidelity NPM visibility drives more accurate AIOps models and automation results. AIOps collects and aggregates large amounts of cross-domain data and typically leverages multiple analytics techniques for best results. Alluvio NPM data sources provide rich and deep data for accurate event identification.

Alluvio IQ, Riverbed's SaaS-based Unified Observability service, leverages full-fidelity Alluvio NPM and DEM data, AIOps, and intelligent automation to speed incident response and security forensics. Performance management is key to keeping workers connected in a hybrid network and improving the end-user's digital experience.

Optimize your network for speed and deliver a more consistent performance through greater visibility,

enhanced analytics, increased packet capture, and flow capacity.

The shift to complex, multi-cloud networks is driving the need for greater scalability, accelerated insights, integration enhancements and increased performance which are supported by these new features across the portfolio:

- Alluvio™ NetProfiler:
  - Over 30% increase flow capacity from 30M to 40M flows per minute
  - Google VPC and SD-WAN support
- Alluvio™ AppResponse:
  - 50% increase packet capture write to disk (WTD) from 20 Gbps to 30 Gbps for the 8180 appliance
  - Greater cloud scalability, visibility and capacity
  - Higher performance for NetProfiler integration
  - Oracle 19c support
- Alluvio™ NetIM:
  - Streaming Telemetry, Cisco ACI and ServiceNow support

Elevate your network visibility and performance:

- Alluvio NPM delivers packet-based network and application analysis, flow capture and device metrics for rapid troubleshooting.
- End-to-end visibility of hybrid network traffic.
- Traffic data: amount, users, flow, and prioritization.
- Automated analytics for real-time monitoring.
- Streamlined reporting for better communication and collaboration between teams.

Ensure operational governance and compliance

The cost of non-compliance

Enterprises regardless of industry on average spend millions resolving issues stemming from non compliance.

When it comes to meeting governmental or organizational requirements, compliance is essential for your NPM products.

Non-compliant NPM products can lead to slowdowns and shutdowns. The Alluvio NPM portfolio incorporates compliance standards to boost operational efficiency and safeguard networks.

Ensure operational governance and performance:

- The Alluvio NPM portfolio is constantly evolving its products to include the latest in federally mandated regulations like Section 508 for federal accessibility standards and FIPS for compatible cypto support.
- Automated orchestration delivers the oversight and data management you need to achieve and maintain compliance.

Engage intelligent security methods against cyber threats

According to the Enterprise Strategy Group (ESG)'s 2023 Technology Spending Intentions Survey, 65% of IT professionals anticipate spending more on cybersecurity than any other area. Modern networks struggle to keep pace with an ever changing threat landscape. As threats (and threat actors) evolve and grow more sophisticated, you need a resilient hybrid network that leverages data to help your team find and fix issues faster, remediate threats, and avoid risks altogether.

Use network intelligence to fight cyber threats:

- Alluvio NPM has automated orchestration to restore your Alluvio products to a safe state in the event of a cyber attack.

- Intelligent forensic analysis from Alluvio NPM and Alluvio IQ that enables NetOps and SecOps teams to automate threat identification and reduce future risks.

- Anomaly detection backed by AI and machine learning to automate data analysis, finding and fixing security issues faster.

- Full-fidelity data capturing every packet, flow, and device metric in your hybrid network without sampling for proactive threat hunting.
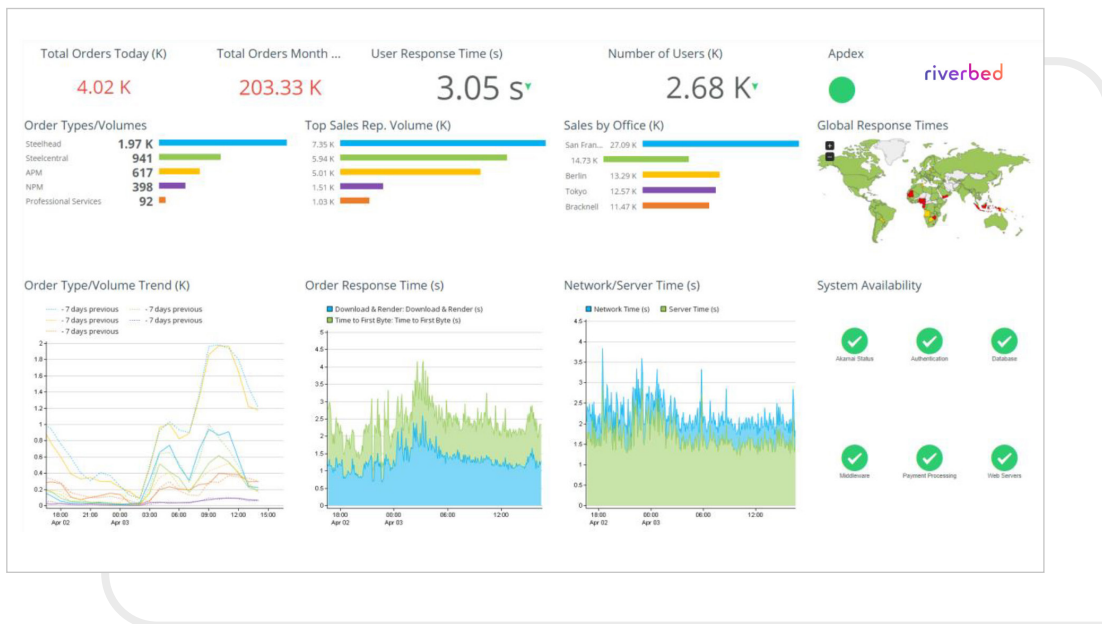

Fig 3: Alluvio™ Portal dashboard

A unified NPM solution

Intuitive dashboards and seamless integration

- Alluvio NPM integrates seamlessly into your hybrid network and offers easy-to-interpret, customizable dashboards that your team can adjust to display the metrics most important to your NetOps objectives.

- Understanding trends in your network's performance, security, and compliance has never been easier with full-fidelity data and real-time updates.

- Break down the walls between siloed teams and data with tools that work together to create a holistic view of your network's health.

Learn more

With the rapid evolution of networks, external challenges like a growing threat landscape, and internal pressure to increase performance and scale, NetOps teams often view business resilience as an challenging task.

You may be asking:

- Where do I start?

- What does true visibility look like in my hybrid network?

- How do I consolidate my solutions to increase operational efficiency?

- If my network is attacked, can it bounce back?

The Alluvio NPM portfolio of products enables and accelerates operational transformation from legacy to multi-cloud networks. The solution helps NetOps teams adapt to disruptions while maintaining continuous operations and safeguarding people, assets, and overall brand equity.

Alluvio's Unified Network Performance Management

Alluvio's Network Performance Management (NPM) porfolio makes it easy to monitor, troubleshoot, and analyze what's happening across your hybrid network from the data center to the cloud. With end-to-end visibility and actionable insights, you can quickly and proactively resolve performance issues, fortify security, and ensure your cloud workloads and SaaS applications meet your SLAs.

The Alluvio NPM portfolio delivers increased business resilience enabling and accelerating operational transformation across hybrid networks. Unlike other NPM solutions, Alluvio NPM delivers granular visibility across network domains giving insight across hybrid environments.

For more information, please visit: riverbed.com/business-resilience.

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Riverbed — Empower the Experience

Riverbed is the only company with the collective richness of telemetry from network to app to end user that illuminates and then accelerates every interaction so that users get the flawless digital experience they expect across the entire digital ecosystem. Riverbed offers two industry-leading solution areas – Alluvio by Riverbed, an innovative and differentiated Unified Observability portfolio that unifies data, insights, and actions across IT, so customers can deliver seamless digital experiences; and Riverbed Acceleration, providing fast, agile, secure acceleration of any app over any network to users, whether mobile, remote, or on-prem. Together with our thousands of partners, and market-leading customers across the world, we empower every click, every digital experience. Learn more at riverbed.com/unified-observability.