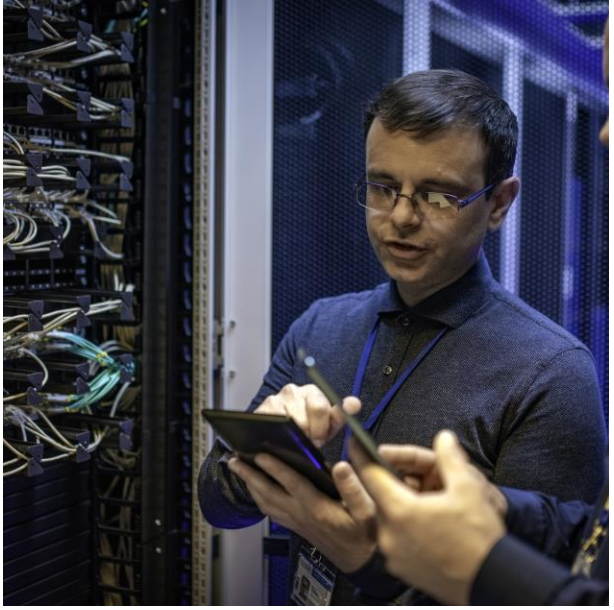
Network Observability

Application-centric network observability

Gain End-to-End Visibility and Automation for Optimal Network Performance with IBM SevOne®



In today's digital landscape, applications are no longer isolated to a single server. They span across a complex web of compute and storage resources, virtual machines, containers, and more. Despite significant investments in applications to drive digital transformation and customer engagement, poor network performance can still lead to subpar user experiences. The key to success lies in having a deep understanding of your hybrid network's performance and its impact on your applications.

Organizations need intelligent automation that eliminates repetitive tasks, accelerates troubleshooting, and enhances network performance—all without increasing operational complexity.

IBM SevOne combines network observability with intelligent automation and ML-driven insights. This solution enables organizations to automate network tasks, optimize service delivery, and reduce operational overhead, helping teams shift from reactive troubleshooting to proactive optimization.

Key Capabilities

IBM SevOne offers a comprehensive solution for hybrid network management. By analyzing raw network data from across the delivery chain, the product provides machine learning-driven insights to help NetOps understand network performance and its impact on applications.

Unified Hybrid Observability: SevOne provides comprehensives visibility into hybrid networks by collecting and analyzing multivendor performance data from physical, virtual, and software-defined infrastructure. The solution uses polling and NetFlow to deliver actionable insights for managing complex, hybrid cloud environments. Monitor SDN, SD-WAN, Azure, AWS, GCP, Kubernetes, and legacy networks from a single pane of glass. Eliminates silos and shortens Root Cause Analysis (RCA) cycles.

Network Insights: Leverage machine learning to automatically identify normal and abnormal network behavior. Flow logs and smart filters allow teams to detect anomalies early, reducing MTTR and avoiding outages.

Cloud Ready: Support containerized apps aligns with modernization initiatives and DevOps workflows.

App-Centric Insights: View network performance data from an application perspective, enabling a more targeted approach to optimization. Correlate flow data with application performance. See which services are impacted and where traffic bottlenecks occur.

Automated Actions: Use enhanced tooling and automation to optimize network performance, reducing manual effort and improving efficiency. Native widgets automate dashboard configuration, cutting deployment time. Teams become productive faster

Building on the strength of the IBM SevOne platform, there is IBM SevOne Automated Network Observability (SANO), a low-code network automation solution from IBM's 2024 acquisition of Pliant. This integration equips IT teams to act quickly by converting actionable insights into automated network responses

ML-Driven Automation for Network Actions

- Automate network management by turning ML insights into real-time actions.
- Modify QoS policies automatically based on performance trends.
- Trigger high-frequency polling when anomalies are detected.
- Create ServiceNow tickets with enriched data for faster incident resolution.
- Automate network configuration changes to maintain security and compliance.

Outcome: Reduced mean time to resolution (MTTR) and improved network reliability.

Low-Code Workflow Automation to Reduce Manual Tasks

- Eliminate repetitive network tasks with pre-built automation workflows.
- De-duplicate and enrich alerts before sending them to ITSM tools.
- Synchronize network inventories across SevOne and ServiceNow.

- Import metadata automatically, such as geo-coordinates of devices.

Outcome: Increased efficiency, fewer manual errors, and faster time to action.

API-Based Self-Service Data Ingestion

- Ingest data from AWS, Azure, Google Cloud Platform and Kubernetes.
- Extract key network performance data for custom analytics.
- Leverage pre-built automation templates for instant deployment.

Outcome: More flexibility and control over network data for better decision-making.

Close the public cloud visibility gap

- Gain visibility into your entire AWS, Azure, Google Cloud Platform, Kubernetes infrastructure with metrics collection enriched with metadata providing users with real-time insights into their Cloud performance.

Outcome: A unified, automated approach to network observability

Enable next-gen networks

- Enhance visibility to monitor SDN, SD-WAN, cloud and Wi-Fi networks across all environments.
- Teams can visualize performance data for SD-WAN tunnels and paths collected across Cisco SD-WAN, Versa, Fortinet, VeloCloud for Nokia SD-WAN, Palo Alto Prisma, and HPE Aruba SD-WAN (formerly SilverPeak).

Outcome: Enhanced visibility to critical network assets

Why IBM SevOne?

Devereux detects 40% of issues before they impact end users.

BT eliminates 3+ hours of downtime per incident by proactively detecting SAN capacity issues.

Industry Recognition

*"The IBM SevOne platform has a strong approach to passive network data collection. It offers solid synthetic network data monitoring and provides strong observability of networking in cloud, Overall, the product is resilient and scales to very large networks."- **Shamus McGillicuddy, Vice President of Research, Enterprise Management Associates***

Ready to modernize your network observability?

Book a live demo

To learn more about how you can optimize your modern network and meet your organization's agility, reliability, and efficiency needs, visit IBM SevOne