SOLUTION BRIEF

IBM SevOne NPM and Fortinet SD-WAN Monitoring Solution

Gain Comprehensive Insights into the Performance of Your Fortinet SD-WAN Deployment Using Powerful Monitoring and Analytics from IBM SevOne NPM

Executive Summary

IBM SevOne Network Performance Management (NPM) seamlessly integrates with Fortinet FortiManager to provide automated onboarding, comprehensive monitoring, and application-layer visibility into an entire Fortinet SD-WAN deployment at an enterprise scale. SevOne NPM is the solution of choice for several industry-leading telecommunications companies (Telcos) and managed service providers (MSP) to monitor large network deployments today. With the addition of Fortinet SD-WAN integration introduced by SevOne NPM, users benefit from lower time to insights, proactive monitoring with data storage for up to one year, and a vast ecosystem of integrations extending the value of your investment.

The Challenge

Many network performance monitoring solutions struggle with scale. However, with its cluster-based architecture, IBM SevOne NPM is designed to never have an issue. SevOne NPM is built to scale the largest networks deployed by Telcos and MSPs.

The FortiManager integration introduced by IBM SevOne NPM in release v6.6 makes monitoring a Fortinet SD-WAN environment a breeze. Below, we will summarize the different components of the Fortinet SD-WAN monitoring solution provided by IBM SevOne NPM.

Joint Solution

IBM SevOne NPM and Fortinet have partnered to deliver an industry-leading monitoring solution to address the challenge of organizations that struggle with managing their SD-WAN networks. The integration of the IBM SevOne NPM and Fortinet FortiManager provides a seamless experience to users of SevOne NPM who would like to monitor, manage, and secure their SD-WAN deployments. As organizations continue to embrace SD-WAN for its benefits, this integration becomes an essential tool for effective network management. By using IBM SevOne NPM to monitor a Fortinet SD-WAN environment, users can benefit from:

Improved visibility: SevOne can provide visibility into all aspects of an SD-WAN environment, including traffic flows, bandwidth utilization, latency, and loss metrics. Clients use this information to identify and troubleshoot performance problems and meet SLAs. Users can leverage this information to optimize their networks for better performance.

Solution Components

- Fortinet FortiManager
- IBM SevOne NPM

Solution Benefits

- Integrate with FortiManager to onboard new devices for monitoring
- Track service-level agreements performance
- Deep insights into the applications running on Fortinet SD-WAN via NetFlow
- Visualize the performance of SD-WAN deployments with out-of-the-box reports

FORTINET FABRIC-READY

Proactive issue detection: SevOne NPM has several capabilities to baseline, forecast, and apply anomaly detection-based alerts on several metrics collected from a Fortinet SD-WAN environment. This allows users to detect issues early before they cause an actual outage or disruption to network traffic.

Alerting capability: Users can send alerts via Webhooks to any platform of a user's choice and create several different automation workflows. This can help ensure that problems are quickly addressed before they become significant disruptions.

Cost savings: With all the advantages mentioned above, by using SevOne NPM for monitoring your Fortinet SD-WAN deployment, customers reduce the need for manual troubleshooting and, in turn, prevent outages that can prove costly to any organization in the long run.

Solution Components

IBM SevOne NPM: Designed for modern networks, IBM® SevOne® Network Performance Management (IBM SevOne NPM) provides application-centric, network observability to help NetOps spot, address, and prevent network performance issues in hybrid environments. Boost network performance, improve user application experience by proactively monitoring multivendor networks, and turn insights into action across enterprise, communication, and managed service provider environments.

Fortinet FortiManager: FortiManager delivers unified management for consistent security across complex hybrid environments resulting in protection against security threats. Key benefits include accelerated zero-touch provisioning with best-practice templates for deployment at scale of SD-WAN and streamlined workflows between the Fortinet Security Fabric and integrations with 300+ ecosystem partners.

Joint Solution Integration

The newly introduced FortiManager integration on IBM SevOne NPM automates the onboarding of devices to the NMS and provides comprehensive visibility across an entire Fortinet SD-WAN deployment. This helps users visualize their multi-vendor network in a single dashboard in turn reducing silos across different teams and reducing mean time to resolution.

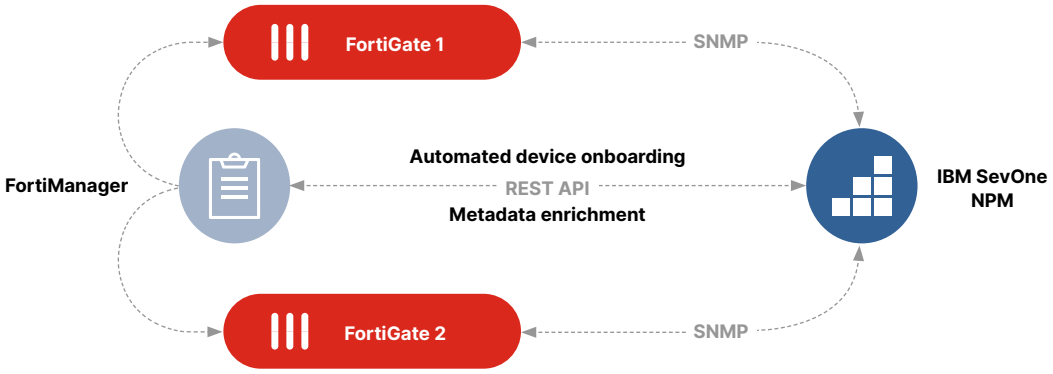

Figure 1: IBM SevOne NPM and FortiManager integration high-level architecture

Joint Use Cases

Fortinet FortiManager integration with IBM SevOne NPM allows users of Fortinet SD-WAN to benefit from unified visibility, flexible reporting, and advanced analytics to help teams act on what matters: improving network performance to provide an exceptional user experience.

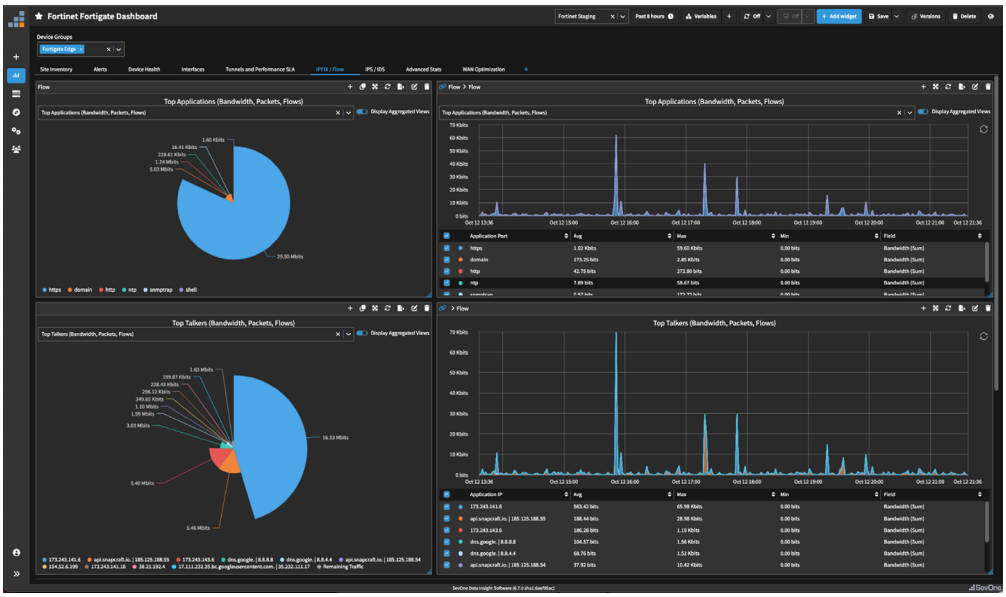

Figure 2: Fortinet flow report showing top applications and top talkers in a Fortinet SD-WAN deployment

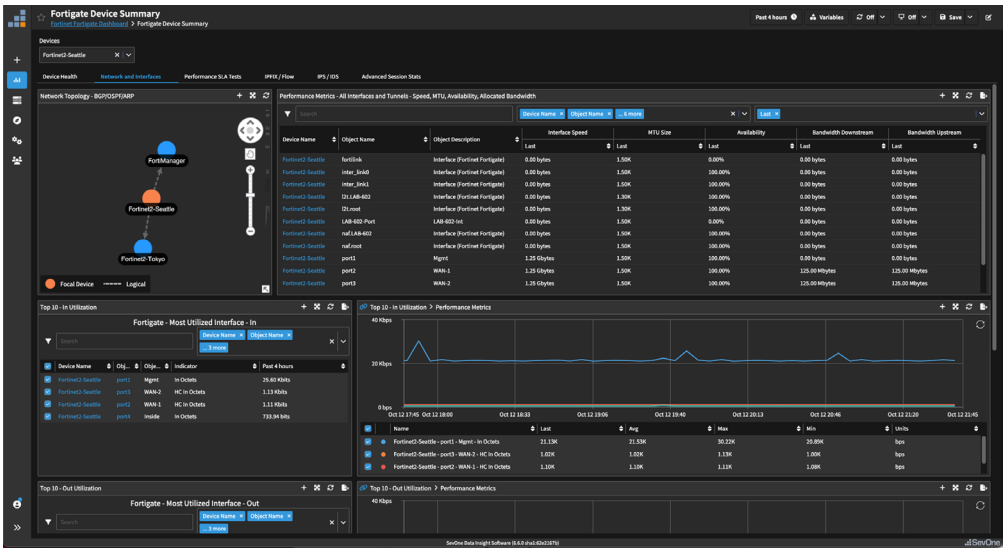

Figure 3: FortiGate device summary report in IBM SevOne NPM showing topology and network interface statistics

About IBM SevOne NPM

IBM SevOne Network Performance Management (NPM) provides a single source of truth to help assure network performance across multivendor, enterprise, communication and MSP networks. Learn more about SevOne NPM and how it can help your organization monitor and manage the performance of both your existing and next-generation network and infrastructure resources more effectively.

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