

SOLUTION BRIEF

Fortinet and Auvik Network Monitoring and Management Solution

Comprehensive Threat Protection Solution With Deep Network Visibility and Troubleshooting for Network Professionals

Challenges

The network is more important than ever. It's the vital connection that keeps businesses connected to critical functions in the cloud. Businesses expect their IT networks to just work—they need a reliable, secure network because when that connection fails, productivity grinds to a halt.

Auvik Networks and Fortinet have maintained a technology partnership since 2018 to provide networking peace of mind. By deploying Auvik's automated network monitoring and management software on networks with Fortinet products such as FortiGate firewalls, FortiSwitches, and FortiAPs, network admins can empower team members at all levels to resolve problems before they become emergency issues, and rocket an IT team's efficiency and capacity while protecting the business from network risk. Over 1,800 of Auvik's partners and clients use over 20,000 Fortinet devices.

Joint Solution

The network is a business's gateway to the cloud, where the applications and services the business relies on are hosted, and the network is the conduit to the cloud. Firewalls, switches, and access points (APs) make up that gateway—which is why its vital network experts have deep insight into their Fortinet device traffic and health statistics to keep their networks secure. Through the Auvik dashboard, network admins can compare and back up Fortinet device configurations, access device statistics and usage information, and analyze 60 preconfigured alerts tuned to industry best practices. You'll know when CPU usage is high on your FortiGate, see every device wired into your FortiSwitches, and know what applications those users connected to your FortiAPs are using. Beyond network visibility and performance stats, you'll even be able to restore previous configurations to your FortiGate if lightning strikes.

Auvik's cloud-based software integrates with Fortinet firewalls through the Fortinet application programming interface (API) and industry standard protocols such as Simple Network Management Protocol (SNMP) and Secure Shell (SSH). Once the Auvik collector is deployed, it uses these protocols to gather data and key statistics about all of the devices on your network, including your firewall, switches, and APs, and automatically creates an up-to-date network topology map. While FortiGates are primarily monitored over SNMP and SSH, FortiSwitches managed by the FortiGates are uniquely discovered and monitored through the device API. The map evolves in real time to reflect any network change, so the information stays current, mitigating the need to manually gather Fortinet data. The Fortinet data gathered by Auvik also integrates into popular IT service management (ITSM) and ticket platforms, so you can proactively monitor and manage all your devices in a closed-loop connection.

Joint Solution Components

- Fortinet FortiGate, FortiSwitch, FortiAP
- Auvik Automated Network Monitoring and Management Software

Joint Solution Benefits

- Continuous monitoring of network device health, including visibility into bandwidth spikes, interface usage, and device logs
- Real-time network topology mapping pulling from Fortinet via SNMP, LLDP, and the Fortinet API
- Automated configuration backup, comparison, and restoration of Fortinet devices
- Preconfigured alerting tuned to industry best practices so you know something's wrong before your users do
- Native support for Fortinet switches managed by Fortinet firewalls in FortiLink mode



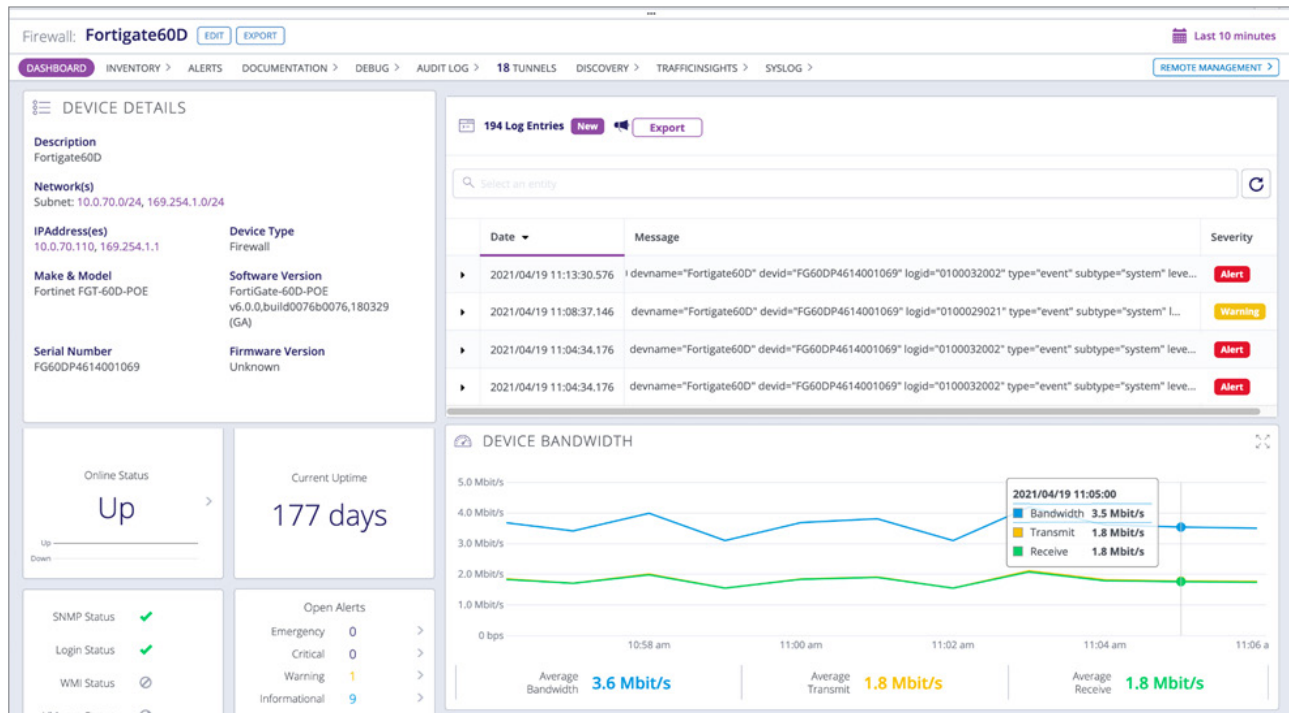


Figure 1: FortiGate firewall dashboard.

Description of Auvik

Auvik's cloud-based software simplifies and automates network monitoring and management for network professionals.

Managing network infrastructure has traditionally been a very manual and time-consuming activity. Auvik dramatically simplifies the task of network management by making software do the work. Auvik automatically:

- Discovers a network and documents complete network topology in an intuitive visual map
- Inventories and documents every device, service, and configuration on a network in real time
- Parses, analyzes, and visually displays data to reduce network troubleshooting time
- Allows remote access to nearly any network device from a single screen

With Auvik, complex and time-consuming tasks are reduced to simple, automated steps. And it's all done through a beautiful and easy-to-use interface.

About Auvik Networks

Auvik's cloud-based network monitoring and management software gives you visibility and insight into the networks you manage, while automating complex and time-consuming tasks. Real-time network mapping and inventory mean you'll always know exactly what's where, even as your users move. Automated config backup and restore on network devices mean you'll mitigate network risk with no manual effort. And Auvik TrafficInsights helps spot potential security vulnerabilities, shows you who's on the network, which apps they're using, and where their traffic is going. Learn more at www.auvik.com.



www.fortinet.com