



DATASHEET

SKYBOX NETWORK ASSURANCE

Seamless Visibility Across Hybrid Networks

Skybox® Network Assurance provides seamless visibility across physical IT, multi-cloud and operational technology (OT) environments, giving you the context needed to understand how network devices and security controls work together or leave you exposed. It continually ensures that the existing access in your infrastructure doesn't exceed the desired access designed in your policies, and uncovers potential attack vectors, including those that could be used in lateral movement. Designed to support large and complex enterprise networks, Network Assurance empowers you to:

- Visualize and interact with a model of your entire network topology, assets and security controls
- Keep security zones and device configurations in continuous compliance and working to reduce your attack surface

Troubleshoot network connectivity and identify root causes of network outages to ensure business continuity and continuous uptime. Vulnerability Control gives visibility to your network infrastructure and assets, adding intelligence of current threat landscape to help pinpoint exposed vulnerabilities with active exploits in the wild. Skybox puts intelligence at your fingertips: automated data collection, modeling, simulation and analysis help you make the best proactive response — in a fraction of the time of manual approaches.

BENEFITS OF NETWORK ASSURANCE

- Visualize your attack surface across physical IT, multi-cloud and OT networks; see the interactions of devices and controls
- Analyze network paths and application connectivity from any source and to any destination, detailing devices and rules along the path
- Check network zones, routers and switches for policy violations
- Troubleshoot connectivity issues in a virtual model to avoid disrupting network services



HOW IT WORKS

When managing a complex network environment — whether on-prem or in the cloud — you need to understand what the human eye can't see. Network Assurance creates a model of your network so you can easily visualize complex security zones, network paths, compliance violations and configuration issues. And Network Assurance helps you focus on high-impact issues requiring immediate action to ensure continuous availability, security and compliance.

Collect and Normalize

- Automatically collect data from all layer three devices, public and private clouds and OT networks
- Normalize all network data for fast and consistent analysis

Model

- Create a visual model of traditional IT, cloud and OT networks that accurately depicts how traffic can move between any two points in the hybrid infrastructure

Analyze in Context

- Troubleshoot configuration issues, analyze network connectivity end to end and assess compliance with complete context — all within the network model

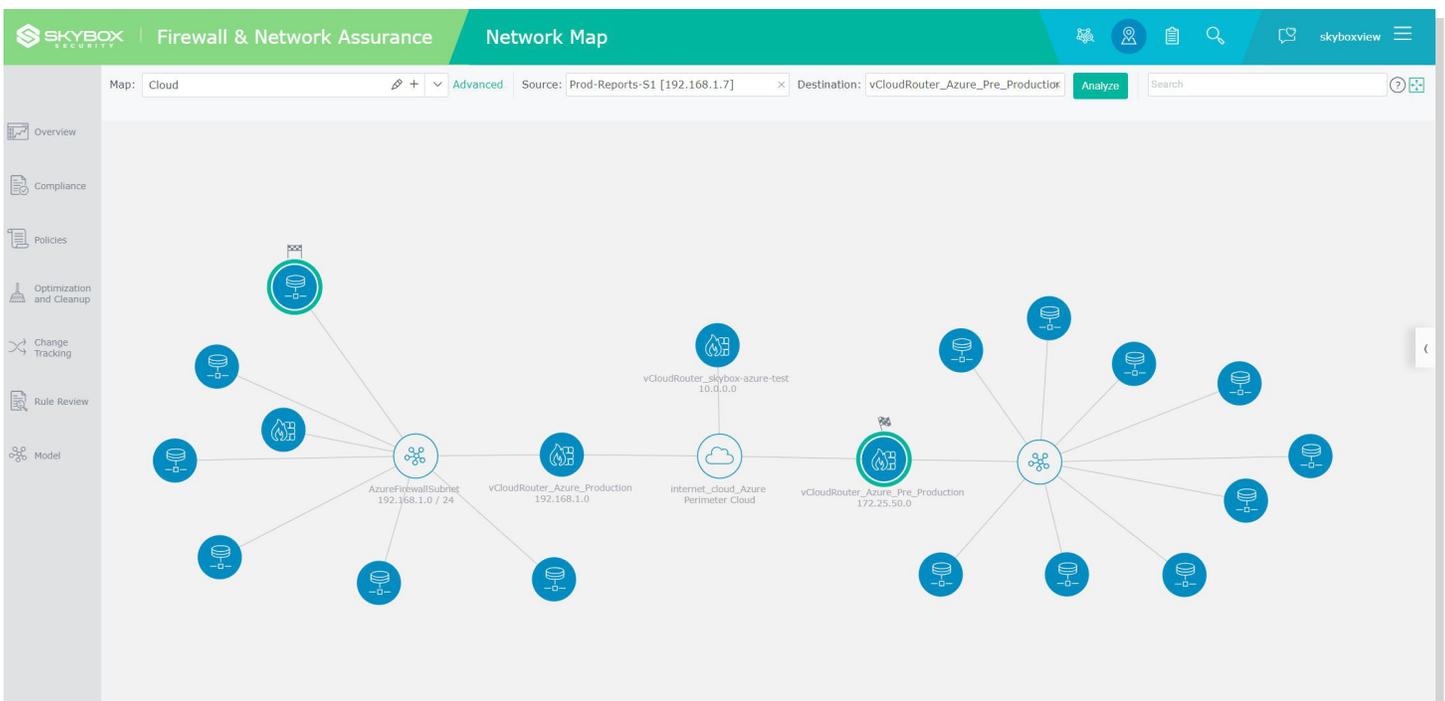


FIG 1: Network Assurance automatically collects and merges data from multiple sources to create a model of your network as well as a visual network map that are automatically kept up to date.



DELIVERS CONTINUOUS DETECTION OF SECURITY THREATS AND COMPLIANCE RISKS

- Collects data from 140+ network and security devices (see the full list [on our website](#))
- Displays detailed, normalized configurations of firewalls and routers, as well as virtual assets
- Creates a network topology map that unifies traditional IT, public and private clouds and OT networks that can be exported to Microsoft Visio

SPEEDS NETWORK TROUBLESHOOTING TO KEEP BUSINESS SERVICES RUNNING 24/7

- Minimizes downtime by reducing network configuration errors
- Troubleshoots network device configurations and previews changes before implementation
- Identifies root causes of outages quickly and accurately
- Improves visibility and workflow for network security teams

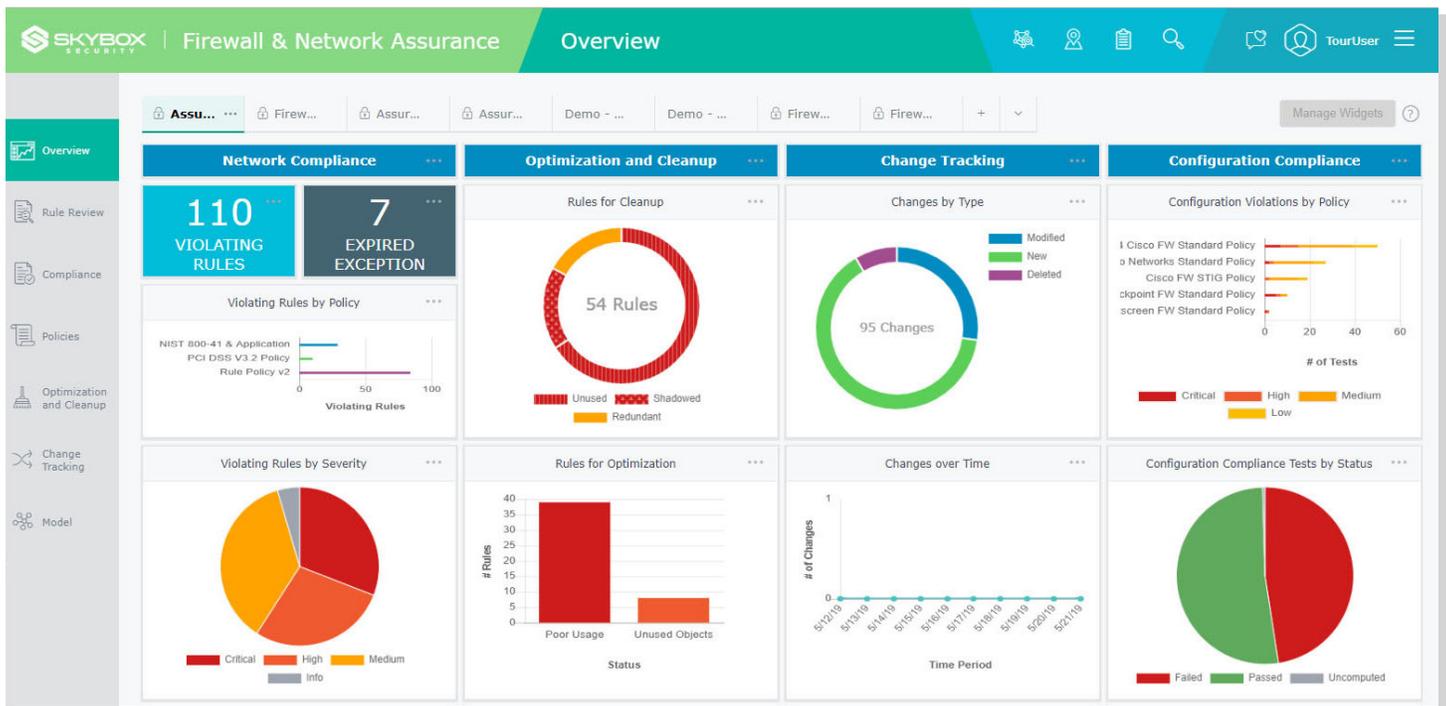


FIG 2: Dashboards within the Firewall and Network Assurance web UI are highly customizable and can be set for private or public use across teams.

“In most cases, senior management lack visibility to the network and the compliance status. Acting without that visibility can cause major damage. Once we had Skybox deployed, the model gave us complete and detailed visibility to anywhere in the network.”

— Associate director,
network and system services,
Global business and technology
services provider

[Read the case study >](#)

UNCOVERS ACCESS ISSUES AND ATTACK VECTORS

- Correlates all ACLs (including those for cloud assets), security tags, routing rules, NAT, proxies, VPNs and more to find blocked or allowed access
- Incorporates asset vulnerability data for physical or virtual machines in network path analysis
- Analyzes network paths in public and private cloud environments for both north-south and east-west traffic

MAINTAINS CONTINUOUS COMPLIANCE

- Performs continuous compliance analysis for configurations and security zone policies
- Normalizes security tags and other access rules throughout hybrid networks
- Enables security policy customization



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ABOUT SKYBOX SECURITY

At Skybox Security, we provide you with cybersecurity management solutions to help your organization innovate rapidly and with confidence. We get to the root of cybersecurity issues, giving you better visibility, context and automation across a variety of use cases. By integrating data, delivering new insights and unifying processes, you're able to control security without restricting operational agility. Skybox's comprehensive solution unites different security perspectives into the big picture, minimizes risk and empowers security programs to move to the next level. With obstacles and complexities removed, you can stay informed, work smarter and drive your organization forward, faster.