

Fortinet and the Skybox Security Suite

Cybersecurity management using advanced network modeling, attack vector analytics, threat intelligence and attack surface visualization

Skybox provides the context needed for informed, timely action from a common platform rooted in data integration, network modeling, attack vector analytics and attack surface visualization, enabling seamless and detailed visibility across physical, virtual, multi-cloud and industrial networks. With insight, automation and tracking, Skybox improves security operations in vulnerability, threat, and firewall and security policy management.

Skybox Security and Fortinet have an established technology partnership with a combined solution that delivers automated firewall and security policy management to tackle any dynamic attack surface as it expands with new technologies and security controls. The joint solution helps visualize and analyze the interactions of your hybrid network, and ensure policies and controls enable connectivity without exposing the organization to attack vectors or compliance violations.

Joint Solutions Description

Skybox delivers automated firewall and security policy management to tackle a dynamic attack surface as it expands with new technologies and security controls. Visualize and analyze the interactions of your hybrid network, and ensure policies and controls enable connectivity without exposing the organization to attack vectors or compliance violations.

Skybox Firewall Assurance provides comprehensive automation of firewall management tasks across different firewall vendors and complex rulesets. It simplifies compliance management, ensuring the state of your network is always in line with security policy design. And Firewall Assurance supports implementation of DISA STIGs and CIS benchmarks.

Skybox Network Assurance provides seamless visibility across physical IT, multi-cloud and OT environments, giving you the context needed to understand how network devices and security controls work together or leave you exposed. Ensure that the existing access doesn't exceed the desired access designed in your policies, and uncover potential attack vectors, including those that could enable lateral movement.

Skybox Change Manager fully automates firewall change management workflows for rule creation, recertification and de-provisioning. And analytics-driven automation ensures each change is properly handled from request to implementation. Change Manager delivers automated modeling capabilities to assess potential business impacts and closed-loop rule life cycle management to verify that every change is executed as intended.

Skybox Vulnerability Control supports a systematic approach to vulnerability management unlike any other vendor. Our solution is rooted in comprehensive visibility of your attack surface, using its context to analyze, prioritize and remediate your riskiest vulnerabilities fast.

The functionality of the joint solution is summarized in the illustration below.

Joint Solution Benefits

- Ensure firewall rules, security policies and security tags enable reliable connectivity and maintain continuous compliance
- Quickly identify security gaps that could allow attackers to infiltrate your network or enable the continuation of an attack
- Streamline management of changes, from rule creation to recertification and de-provisioning
- Simplify auditing and reporting
- Identify security policy violations and platform vulnerabilities on your firewalls
- Analyze how network traffic could flow through a firewall



Diagram of Joint Solution



Figure 1: Firewall and Network Assurance Dashboard

Skybox Security Suite 9.0.800

The Skybox Security Suite provides the industry’s broadest cybersecurity management platform to address security challenges within complex networks. Integrations with 120 networking and security technologies give comprehensive attack surface visibility and the context needed for informed action. Our solutions are used for vulnerability and threat management and firewall and security policy management worldwide.

FortiGate Enterprise Firewall

FortiGate Enterprise Firewalls offer flexible deployments from the network edge to the core, data center, internal segment, and the Cloud. FortiGate enterprise firewalls leverages purpose-built security processors (SPUs) that delivers scalable performance of advanced security services like Threat Protection, SSL inspection, and ultra-low latency for protecting internal segments and mission critical environments.

FortiGate NGFW provides automated visibility into cloud applications, IoT devices and automatically discovers end to end topology view of the enterprise network. FortiGate is a core part of security fabric and validated security protect the enterprise network from known and unknown attacks.

FortiManager

FortiManager offers enterprise-class features to contain advanced threats. FortiManager also delivers the industry’s best scalability to manage up to 100,000 Fortinet devices. FortiManager, coupled with the FortiAnalyzer family of centralized logging and reporting appliances, provides a comprehensive and powerful centralized management solution for your organization.

Use Cases

- Bring firewalls into a single view to maintain a clean, optimized and compliant firewall state.

- Turn complex firewall change requests into a secure, manageable and automated workflow.
- Orchestrate across your entire network.
- Manage the entire vulnerability life cycle from a central platform.

About Skybox Security

Skybox arms security leaders with a comprehensive cybersecurity management platform to address the security challenges of large, complex networks. The Skybox® Security Suite breaks down data silos to build a dynamic network model that gives complete visibility of an organization's attack surface and the context needed for informed action across physical, multi-cloud and operational technology networks. We leverage data by integrating with 120 security technologies, using analytics, automation and advanced threat intelligence from the Skybox® Research Lab to continuously analyze vulnerabilities in your environment and correlate them with exploits in the wild. This makes the prioritization and mitigation of imminent threats an efficient and systematic process, decreasing the attack surface and enabling swift response to exposures that truly put your organization at risk.

Our award-winning solutions in vulnerability and threat management, firewall and security policy management, and attack surface visibility automate as much as 90 percent of manual processes, and are used by the world's most security-conscious enterprises and government agencies, including Forbes Global 2000 companies.

Find out more: www.skyboxsecurity.com



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