

Security policy management and automation

Solution Brief



Your applications are always vulnerable. Hackers are getting smarter and attacks are getting more sophisticated by the day. Access control, encrypted traffic, DDoS, and code vulnerabilities are being exploited more often to break applications and expose valuable data. To overcome these challenges and ensure uninterrupted data center services, enterprises are using different security services from various vendors. But each security service protects the application with security policies that are very dynamic in nature.

Managing security policies across multiple vendors then becomes a challenge, and it becomes even more difficult when enterprises choose to build their application security from scratch, deploying each device using manual processes. This leaves no centralized way to gain visibility of all the policies tied to a particular application.

Centralized, Vendor-agnostic Security Policy Management

As threats become more advanced every year, it becomes more impractical to manage policies across multiple vendors using multiple systems. As a unified policy management solution, AppViewX enables you to manage all your security services centrally.

- Instantiate and manage security policies on your on-premise appliances and VNFs and in your cloud
- Replicate security policies across data centers with easy-to-use templates
- Provide role-based access control for all your security policies and services

Name	Policy	IP address	Data center	Vendor	Platform
@ bgp150.payoda.com		192.168.40.150	DC1	FS	AFM
@ FS_152	/CommonPolicy2IFS...	192.168.40.152	DC1	FS	AFM
ASA_LAB	ASA_Standalone	192.168.136.141	NYC	Cisco	ASA
Clus1Dev2-6.1.0-PA	Clus1Dev2-6.1.0-PA	192.168.41.34	NYC	PaloAlto	Firewall
192.168.41.33	Clus1Dev2-6.1.0-PA	192.168.41.33	NYC	PaloAlto	Firewall
Panorama	US (Panorama)India...	192.168.41.100	NYC	PaloAlto	Panorama
Checkpoint_Fw	NEWCheckpoint_Fw...	192.168.55.51	NYC	CheckPoint	Security M...
PA7DevA_US_Firewall	PA7DevA_US_Firewall	192.168.41.97	NYC	PaloAlto	Firewall
Clus1Dev2-6.1.0-PA	Clus1Dev2-6.1.0-PA	192.168.41.34	NYC	PaloAlto	Firewall
192.168.41.33	Clus1Dev2-6.1.0-PA	192.168.41.33	NYC	PaloAlto	Firewall
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Checkpoint_Fw	NEWCheckpoint_Fw...	192.168.55.51	NYC	CheckPoint	Security M...
192.168.41.33	Clus1Dev2-6.1.0-PA	192.168.41.34	NYC	PaloAlto	Firewall
192.168.41.33	Clus1Dev2-6.1.0-PA	192.168.41.33	NYC	PaloAlto	Firewall
Panorama	US (Panorama)India...	192.168.41.100	NYC	PaloAlto	Panorama
Checkpoint_Fw	NEWCheckpoint_Fw...	192.168.55.51	NYC	CheckPoint	Security M...
PA7DevA_US_Firewall	PA7DevA_US_Firewall	192.168.41.97	NYC	PaloAlto	Firewall

Security Services Automation and Orchestration

Even the most advanced protection can be broken. When under attack, you cannot afford to waste time manually patching vulnerabilities. Using AppViewX, you can quickly remediate threats without compromising your enterprise workflows.

- Use self-service templates to create and modify security policies automatically
- Automate policy cleanups without impacting uptime
- Audit all activities and ensure compliance with admin-defined workflows

AppViewX

Template name: Firewall Template New

Requestor name: admin

Description: Create security policy

Request scenario: scenario

Business unit: Finance

Service: HTTP

Vendor: Palo Alto

Select list: Clus1Dev2-6.1.0-PA

Source IP: 192.168.136.10

Source Port: 80

Destination IP: 172.17.2.32

Destination Port: 443

Zone: DMZ

Description: Web policy migration

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