

# Junos Space Security Director

## Product Overview

In today's complex environment, network security management can become overly time-consuming and prone to error if management solutions are slow, unintuitive, or restricted in their level of granularity, control, and visibility. Junos Space Security Director provides security policy management for physical, logical and virtual firewalls (Juniper's Networks SRX Series Services Gateways and Firefly Perimeter) through an intuitive, centralized web-based interface that offers enforcement across emerging and traditional risk vectors.

## Product Description

Juniper Networks® Junos® Space Security Director, an application on Junos Space Network Management Platform, provides extensive security scale, granular policy control, and policy breadth across the network. It helps administrators quickly manage all phases of the security policy life cycle for stateful firewall, unified threat management (UTM), intrusion prevention system (IPS), application firewall (AppFW), VPN, and Network Address Translation (NAT) through a centralized web-based interface. Junos Space Security Director reduces management costs and errors with efficient security policy, workflow tools, and a powerful "app" and platform architecture.

Because it runs on the Junos Space Network Management Platform, Junos Space Security Director enables administrators to extend their policy control capabilities both broadly and deeply. This includes managing security policy horizontally across multiple Juniper Networks SRX Series Services Gateways, and vertically to manage logical system (LSYS) instances or dense and varied security rule bases on individual SRX Series devices. This reach improves security policy consistency and compliance, even as networks scale. Security administrators can use Junos Space Security Director to speed and simplify security administration and reduce management costs and errors with efficient security policy and workflow tools.

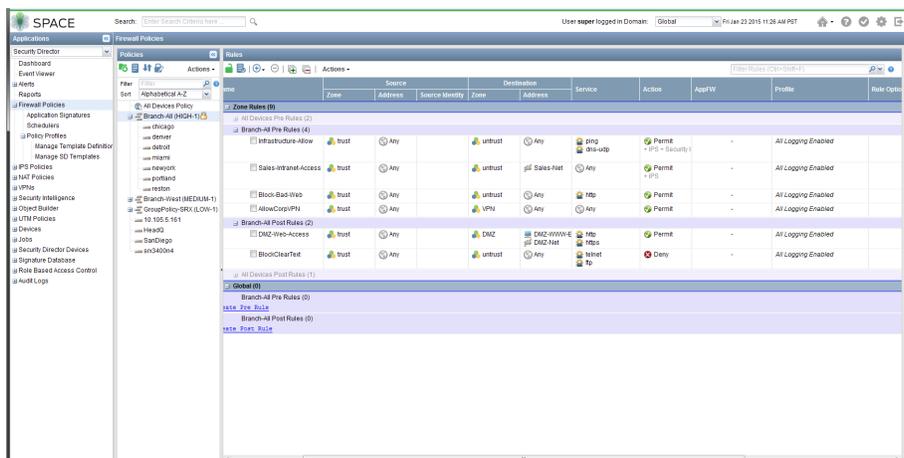


Figure 1: Firewall policy hierarchy allows for ease of management.

Security Director helps ease administration through a responsive Web interface with granular control over global, group, and device-level firewall policies. Administrators can intuitively manage the entire policy life cycle in one easy-to-use interface, from policy creation to remediation. Rapid search tools quickly locate policy terms or issues—even inside rules—for faster maintenance. They can also view event logs and generate reports from the same console, for managing network security incident investigation and response. Security Director reduces management costs and errors with efficient security policy,

workflow tools, and a powerful “app” and platform architecture. Specialized features such as Publish Workflow help delegate policy work by role and check policy/CLI before provisioning, to reduce the risk and costs of accidental errors. To improve policy accuracy and compliance, administrators can reuse Security Director policies across integrated firewalls, intrusion prevention, and NAT. Junos Space Security Director lays the groundwork for further management innovation across the network (i.e., domains) as part of the Junos Space Network Management Platform. For example, new apps can be added in a familiar interface, minimizing staff training time on new technologies and driving innovation as part of developer ecosystem contributions.

## Junos Space

Junos Space Security Director is a component of the Junos Space Network Management Platform, providing Juniper customers with a single solution for managing their routing, switching and security resources. The Junos Space Network Management Platform provides deep element management for extensive fault, configuration, accounting, performance, and security (FCAPS) management capability, same-day support for new devices and Juniper Networks Junos operating system releases, a task-specific user interface, and northbound APIs to easily integrate into existing

network management system (NMS) or operations and business support system (OSS/BSS) deployments.

Extending the breadth of the Junos Space Network Management Platform are multiple Junos Space management applications that optimize network management for various domains. These applications, with their easy-to-use interfaces, enable you to provision new services across thousands of devices and optimize workflow tasks for specific domains such as core, edge, data center, campus, security, mobile, and more.

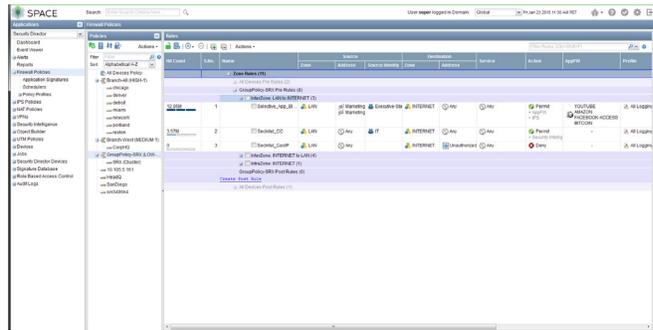


Figure 2: Use Junos Space Security Director to block Marketing’s access to multiple applications while allowing others access to the entire web.

Table 1: Junos Space Security Director Features and Benefits

Features	Description	Benefits
Firewall policy analysis	Provides ability to schedule reports that show which firewall rules are shadowed or redundant, and recommends actions to fix all reported issues	Allows administrators to maintain an efficient firewall rule base by easily identifying ineffective and unnecessary rules
Firewall rule replacement guidance	Upon creation of a new rule, analyzes existing firewall rule base to recommend optimal position and application	Significantly reduces shadowing rules
Firewall policy hit count	Shows hit counts for each firewall via meters, as well as filters that display which rules are hit the least. Security Director also has the ability to keep a lifetime hit count.	Allows administrators to assess effectiveness of each firewall rule and quickly identify unused rules, resulting in better-managed firewall environment
Live threat map	Shows where threats are originating from in near real time	Provides near real time insight into network-related threats
Innovative application visibility and management	Provides an easy and intuitive way to see which applications use the most bandwidth, have the most sessions or are most at risk. Actions such as blocking can be initiated from this view with a simple click.	Delivers greater visibility, enforcement, control and protection over the network
Simplified threat management	Reports where threats are originating and where they are going via a global map. Blocking a country is made easy; simply mouse over the country to take action.	Provides insight needed to effectively manage network-related threats
Snapshot support	Allows users to snapshot, compare, and roll back configuration versions	Simplifies configuration changes and allows recovery from configuration errors
Policy lifecycle management	Provides ability to manage all phases of security policy lifecycles, including create, deploy, monitor, remediate and maintain	<ul style="list-style-type: none"> <li>Enables central control over stateful firewall, AppFW, UTM, IPS, VPN, and NAT in one Junos Space Security Director management console</li> <li>Eases administration by unifying common policy tasks within a single interface</li> <li>Reduces errors by enabling reuse of policies across multiple devices</li> </ul>
Drag-and-drop	Allows firewall, IPS and NAT rules to be reordered by simply dragging them to a new location	Enables firewall, IPS and NAT objects to be added or copied by dragging them from one cell to another, or from a pallet located at the bottom of the policy table
VPN import	Enables SRX Series VPNs to be imported into Security Director	Makes pre-existing SRX Series VPNs easier to manage

Features	Description	Benefits
Role-based access for policies and objects	Allows devices, policies, and objects to be placed within domains and assigns read/write permissions to a user	Provides customers a way to segment administrative responsibility for policies and objects
REST APIs for automation	Provides RESTful APIs that can be used in conjunction with automation tools	Automates configuration and management of physical, logical or virtual SRX Series devices
Logging and reporting through Junos Space Log Director application	Enables integrated logging and reporting	<p>Tight coupling with Junos Space Security Director:</p> <ul style="list-style-type: none"> <li>• Displays rules and events in same window</li> <li>• Allows administrator to easily shift views from logs to corresponding rules and vice versa</li> </ul> <p>Direct access to Junos Space Security Director policies and objects:</p> <ul style="list-style-type: none"> <li>• Role-based access control (RBAC)</li> <li>• Event viewer for events aggregation and filtering</li> <li>• Dashboard with customizable graphs</li> <li>• Reports generated and automatically sent via e-mail</li> <li>• E-mail alerts automatically generated based on threshold</li> </ul> <p>SRX Series health monitoring:</p> <ul style="list-style-type: none"> <li>• CPU utilization</li> <li>• Memory utilization</li> <li>• VPN monitoring</li> </ul> <p>System log forwarding to security information and event management (SIEM)</p>

## Specifications

### Client Browser Support

Security Director is best viewed on the following browsers:

- Google Chrome v.33.x and above
- Internet Explorer v.10.x and above
- Firefox v.30.x and above
- Safari v.7.x and above

### VMware Version

Junos Space works with VMware vSphere 4.0 and above.

### Junos (Operating System) Software

The Juniper SRX Series Services Gateways devices run Junos Operating System (OS) software. Junos Space Security Director runs on Juniper Networks devices running Junos OS 10.3 and later releases.

### Junos Space Network Management Platform

Junos Space Security Director 15.1 runs on Junos Space 15.1 and later releases.

### Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit [www.juniper.net/us/en/products-services](http://www.juniper.net/us/en/products-services).

## Ordering Information

### Junos Space Appliance

Junos Space Appliance includes the complete Junos Space software package as well as the Junos OS operating system. Junos Space Appliance is also available as a virtual appliance supporting both VMWare and KVM.

Model Number	Description
JA2500-A-BSE	Base Appliance
JS-PLATFORM	Junos Space Network Management Platform Software

### Junos Space Security Director

Junos Space Security Director software is licensed based on the number of security devices you will manage. For example, if you will be managing 100 SRX Series Services Gateways, then you would purchase a single license for JS-SECDIR-100. Note: You do not need to purchase a separate license for high availability (HA).

Model Number	Description
JS-SECDIR-5	Junos Space Security Director license for 5 devices
JS-SECDIR-10	Junos Space Security Director license for 10 devices
JS-SECDIR-100	Junos Space Security Director license for 100 devices

## About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at [www.juniper.net](http://www.juniper.net).

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