EXHIBIT 14

vSRX Virtual Firewall

Product Overview

The vSRX Virtual Firewall delivers a complete virtual firewall solution, including advanced security, robust networking, and automated virtual machine life cycle management capabilities for service providers and enterprises. vSRX empowers security professionals to deploy and scale firewall protection in highly dynamic environments.

To download a trial version of the vSRX, including advanced security services such as IPS, AppSecure, and UTM, visit www.juniper.net/us/en/dm/free-vsrx-trial/.

Product Description

Data centers increasingly rely on server virtualization to deliver services faster and more efficiently than ever before. The virtualized data center, however, introduces new challenges that require additional security considerations over and above those required to secure physical assets.

In the virtualized data center, virtual machines (VM) can be highly dynamic, with frequent additions, moves, and changes. This can complicate the ability to attach security policies to VM instantiation and track security policies with VM movement to ensure continued regulatory compliance. In short, the dynamic and flexible nature of virtualization can easily lead to a loss of visibility and control that is taken for granted in a physical world.

Network and security professionals must perform a delicate balancing act, delivering the benefits of virtualization and cloud technologies without undermining the security of the organization. This challenge can only be met by a new breed of security solution that can keep pace with evolving threats while matching the agility and scalability of virtualized and cloud environments—without sacrificing reliability, visibility, and control.

Juniper addresses these challenges head-on by extending the capabilities of the award-winning Juniper Networks® SRX Series Services Gateways to the virtual world with the vSRX Virtual Firewall. Powered by Juniper Networks Junos® operating system, the vSRX delivers a complete and integrated virtual security solution, including L4-L7 advanced security services, robust networking, and automated life cycle management capabilities for service providers and enterprises alike.

The vSRX's automated provisioning capabilities allow network and security administrators to quickly and efficiently provision and scale firewall protection to meet the dynamic needs of virtualized and cloud environments. By combining the vSRX with the power of Junos Space® Security Director, administrators can significantly improve policy configuration, management, and visibility into both physical and virtual assets from a common, centralized platform.

For service providers and organizations deploying service-oriented applications in software, the vSRX's portfolio of virtualized network and security services supports a variety of Network Functions Virtualization (NFV) use cases. The vSRX also supports Juniper Networks Contrail, OpenContrail, and other third-party solutions, and can be integrated with other next-generation cloud orchestration tools such as OpenStack, either directly or through rich APIs.

Architecture and Key Components

Advanced Security Services

Implementing nonintegrated, legacy systems built around traditional firewalls and individual standalone appliances and software is no longer adequate to protect against today's sophisticated attacks. Juniper's advanced security suite enables users to deploy multiple technologies to meet the unique and evolving needs of modern organizations and the constantly changing threat landscape. Real-time updates ensure that the technologies, policies, and other security measures are always current.

The vSRX delivers a versatile, powerful virtualization-specific set of advanced security services, including unified threat management (UTM), intrusion detection and prevention (IDP), and application control and visibility services through Juniper Networks AppSecure.

Unified Threat Management (UTM)

The vSRX includes comprehensive content security against malware, viruses, phishing attacks, intrusions, spam, and other threats with best-in-class antivirus, antispam, Web filtering, and content filtering features.

Table 1: vSRX UTM Features and Benefits

Feature	Feature Description	Benefits
Antivirus	• Reputation-enhanced, cloud-based antivirus capabilities that detect and block spyware, adware, viruses, keyloggers, and other malware over POP3, HTTP, SMTP, and FTP protocols • Service provided in cooperation with Sophos Labs, a leader in anti-malware technology	• Sophisticated protection from respected antivirus experts against malware attacks that can lead to costly data breaches and lost productivity
Web filtering	• Enhanced Web filtering, including extensive category options (90+ categories) and a real-time scorecard delivered in partnership with Websense, the leading Web security provider	• Protection against lost productivity and the impact of malicious URLs, as well as helping to maintain network bandwidth for business essential traffic
Content filtering	• Effective inbound and outbound content filtering based on MIME type, file extension, and protocol commands	• Protection against inadvertent or malicious file transmitting and malicious content on the network to minimize the risk of compromise or data leakage
Antispam	• Multilayered spam protection, up-to-date phishing URL detection, standards-based S/MIME, Open PGP and TLS encryption, MIME type, and extension blockers provided in cooperation with Sophos Labs	• Protection against advanced persistent threats perpetrated through social networking attacks and the latest phishing scams with sophisticated e-mail filtering and content blockers

Intrusion Prevention System (IPS)

IPS for vSRX controls access to IT networks to protect systems from attack by inspecting data and taking actions such as blocking attacks as they are developing—and before they succeed—or creating a series of rules in the firewall. IPS tightly integrates Juniper's applications security features with the network infrastructure to further mitigate threats and protect against a wide range of attacks and vulnerabilities.

Table 2: vSRX IPS Features and Benefits

Feature	Feature Description	Benefits
Stateful signature inspection	Signatures are applied only to relevant portions of the network traffic determined by the appropriate protocol context.	Minimizes false positives and offers flexible signature development.
Protocol decodes	More than 65 protocol decodes are supported, along with more than 500 contexts to ensure proper usage of protocols.	Accuracy of signatures is improved through precise context of protocols.
Signatures	There are more than 8,500 signatures for identifying anomalies, attacks, spyware, and applications.	Attacks are accurately identified and attempts to exploit known vulnerabilities are detected.
Traffic normalization	Reassembly, normalization, and protocol decoding are provided.	System overcomes attempts to bypass other IPS detections by using obfuscation methods.
Zero-day protection	Protocol anomaly detection and same day coverage for newly found vulnerabilities are provided.	Networks are already protected against any new exploits.
Recommended policy	Attack signatures are identified by Juniper's Security Team as critical for the typical enterprise to protect against.	Installation and maintenance are simplified while ensuring the highest network security.
Active/active traffic monitoring	IPS monitoring includes active/active vSRX chassis clusters.	Support for active/active IPS monitoring is included.
Packet capture	IIPS policy supports packet capture logging per rule.	Users can conduct further analysis of surrounding traffic and determine further steps to protect target.

Application Visibility and Control with AppSecure

AppSecure is a next-generation application security suite for vSRX and SRX Series Services Gateways that delivers threat visibility, protection, enforcement, and control.

Whether needing to understand how many users are accessing cloud-based applications like Facebook every day, or needing to know what applications are using the most bandwidth, AppSecure delivers powerful visibility and ongoing application tracking. With open signatures, unique application sets can be monitored, measured, and controlled to tie closely to the organization's business priorities.

Table 3: AppSecure for vSRX Features and Benefits

Feature	Description	Benefit
AppTrack	Analyzes application data and classifies it based on risk level, zones, source and destination addresses.	Tracks application usage to identify high-risk applications and analyze traffic patterns, improving network management and control.
AppFW	Creates application control policies to allow or deny traffic based on dynamic application name or group names.	Enhances security policy creation and enforcement based on applications rather than traditional port and protocol analysis.
AppQoS	Meters and marks traffic based on the application security policies set by the administrator.	Prioritizes traffic as well as limits and shapes bandwidth based on application information and context to improve overall performance.

Juniper Sky Advanced Threat Prevention

Juniper Sky™ Advanced Threat Prevention integrates with the vSRX to provide dynamic, automated protection against known malware and advanced zero-day threats, resulting in nearly instantaneous responses.

Table 4: AppSecure for vSRX Features and Benefits

Feature	Benefits
Deep inspection and analysis	Extracts compromised files and sends them to the cloud for rapid identification of known threats or deep-level file analysis that looks for particularly evasive malware.
Instant identification to block attacks	Instantly identifies and communicates detected malware to SRX Series firewalls to block attacks.
Web-based portal with rich reporting and analytics tools	Provides a web-based interface for performing management tasks such as configuration and product updates. Also offers a rich set of reporting and analytics tools that provide visibility into threats and compromised hosts.
Quarantine of systems and hosts	Analytics capability lets administrators and security staff analyze and correlate data, identifying compromised systems and feeding the information to SRX Series firewalls to quarantine those systems.
Spotlight secure integration	Integrates with the Spotlight Secure Threat Intelligence service to cascade threat information to SRX Series firewalls for immediate action.
Command and control (C&C) data	Provides C&C data to the SRX Series firewalls, preventing compromised internal systems from communicating with these devices.
E-mail analysis and remediation	Isolates and quarantines malicious malware, preventing e-mail from being used as an attack vector. Machine learning algorithms analyze e-mail traffic, detect malicious attachments, and block files at the firewall.
Threat intelligence	Uses powerful open APIs for seamless integration with third-party vendors, providing multiple threat intelligence feeds and reducing the attack surface.

Simple Configuration

The vSRX uses two basic features—zones and policies. The default configuration contains, at a minimum, a "trust" and an "untrust" zone. The trust zone is used for configuration and attaching the internal network to vSRX. The untrust zone is commonly used for untrusted networks. To streamline installation and make configuration simpler, a default policy is in place that allows traffic originating from the trust zone to flow to the untrust zone, but blocks traffic originating in the untrust zone from flowing to the trust zone. A traditional router forwards all traffic without regard for a firewall (session awareness) or policy (origination and destination of a session). Furthermore, because of the virtual nature of vSRX, customers can leverage snapshots, cloning, and related technologies to streamline maintenance and operational tasks.

In order to optimize the throughput and latency of the combined router and firewall, Junos OS implements session-based forwarding, an innovation that combines the session state information of a traditional firewall and the next-hop forwarding of a classic router into a single operation. With Junos OS, a session that is permitted by the forwarding policy is added to the forwarding table along with a pointer to the next-hop route.

This efficient algorithm improves throughput and lowers latency for session traffic when compared with a classic router that performs multiple table lookups to verify session information and then find a next-hop route. Subsequent packets for the established session require a single table lookup in the session and forwarding table, and are forwarded to the egress interface.

Security policies determine if a session can originate in one zone and be forwarded to another zone. The vSRX receives packets and keeps track of every session, every application, and every user. As a VM moves within a virtualized or cloud environment, it will still send packets to the vSRX for processing, continuously communicating in a secure mode.

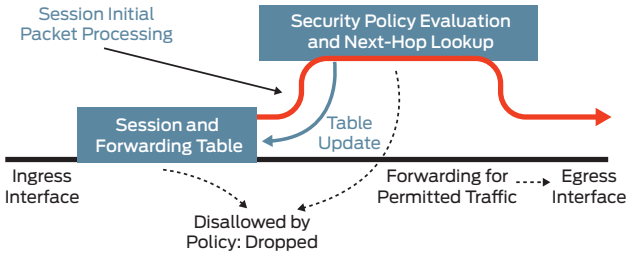

Figure 1: vSRX session-based forwarding algorithm

High Availability (HA)

The vSRX provides mission-critical reliability, supporting chassis clustering for both active/active as well as active/passive modes. The HA functionality provides full stateful failover for any connections being processed as well as for cluster members to span hypervisors. When vSRX VMs are configured in a cluster, the VM synchronizes connection/session state and flow information, IPsec security associations, Network Address Translation (NAT) traffic, address book information, configuration changes, and more. As a result, not only is the session preserved during failover, but security is also kept intact. In an unstable network, vSRX also mitigates link flapping.

Performance

Traditionally, customers have been required to make a trade-off between scalability and performance. The vSRX solution is optimized to leverage multiple virtual CPUs to maximize packet processing and overall throughput in the virtual environment. Each vSRX VM also has multiple virtual network interface cards (vNICs), which can be connected to various virtual networks to simultaneously protect multiple network segments. Operating from within the virtual fabric, the vSRX provides the best of both worlds—strong security with the performance needed to support a virtualized or cloud-based environment.

Table 5: vSRX Services Gateway Key Performance Metrics

Performance and Capacity[1]	VMware VMXNET3		KVM Virtio with OVS-DPDK	
vCPUs	2	5	2	5
Memory	4 GB	8 GB	4 GB	8 GB
Firewall throughput, large packet (1514B)	8 Gbps	20 Gbps	17 Gbps	20 Gbps
Firewall throughput, IMIX	2 Gbps	5.4 Gbps	4 Gbps	5.4 Gbps
AES+GCM IPSec VPN throughput (1420B)	2.7 Gbps	7 Gbps	2.7 Gbps	7 Gbps
Application visibility and control[2]	2.9 Gbps	8.3 Gbps	2.9 Gbps	8.3 Gbps
IPS recommended signatures	1.8 Gbps	5.2 Gbps	1.8 Gbps	5.2 Gbps
TCP connections per second	50,000	60,000	50,000	60,000
Maximum concurrent sessions	512,000	1,000,000	512,000	1,000,000

[1] Reference platform for performance: HP DL580 Gen 9 E7-8890 v3, 72 CPU * 2.493 Ghz; HT: Disabled with Intel 82599 NIC ixgbe version: 4.21; firmware version: 0x80000208; VMware version: 6.0; build: 3620759; KVM: Ubuntu 16.04 OpenVSwitch (OVS): 2.7.0. All performance numbers are "up to" and will depend on underlying hardware configuration (some server configurations may perform better). Performance, capacity and features listed are based on vSRX running Junos OS 15.1X49-D70 release and are measured under ideal testing conditions. Actual results may vary based on Junos OS releases and by deployments

[2] Throughput numbers based on HTTP traffic with 44KB transaction size.

*Number of cores should be power of 2 + 1 (i.e. $2^n + 1$)

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