

# Agile Networking & Security for the AWS Cloud

Carrier-grade routing & unified security

Amazon Web Services (AWS) delivers greater flexibility, scalability, and simplicity to your IT environment. However, in order to derive the greatest value from your AWS deployment, you need to use solutions that bring the same level of flexibility, scalability, and simplicity to your network infrastructure.

Juniper Networks® delivers security and carrier-grade routing solutions that enable you to extend the secure environment you enjoy on-premises to the AWS Cloud. Juniper's vMX Virtual Router delivers secure connectivity on-demand for markets around the globe, while their vSRX Virtual Firewall establishes consistent security across on-premises and AWS environments to secure highly elastic workloads.

## vMX

### Secure Connectivity with Juniper Networks

Juniper Networks vMX carrier-grade virtual routing solution brings greater agility and DevOps-style workflows to network management, helping service providers simplify their infrastructure and quickly address customer needs. By supporting DevOps-style workflows, the vMX lets service providers start small and grow as needed while maintaining profitability. Customers also benefit from complete control, forwarding and management planes, as well as an advanced service-centric feature set.

### Features & Benefits

- Easy to get started:** Leverage the same Juniper Networks MX Series 3D Universal Edge Router features on AWS that you use on-premises.
- Rapid scalability:** Accommodate volatile customer and traffic growth with cost-effective, on-demand scalability.
- DevOps-enabled:** Implement DevOps-style service creation to benefit from lower costs and reduced risks.

### Use Cases

- Hybrid cloud:** Establish secure connections between remote locations and the AWS Cloud.
- Application geo-redundancy:** vMX helps ensure geographic redundancy for applications running in multiple AWS Regions by acting as the VPC gateway and securing the connection between inter-region VPCs.
- Virtual provider-edge Router:** vMX enables service providers to easily introduce services in a new geography/ market. Providers can choose licenses that meet their initial needs and upgrade bandwidth and feature licenses as needed.

### Get Started with vMX

To learn more about Juniper Networks solutions on AWS, visit Juniper's [website](#).

To get started visit Juniper's solutions in [AWS Marketplace](#).

**BYOL:** Try a 60-day [free trial](#)

**Pay As You Go:** Try a 30-Day [free trial](#)

# Agile Networking & Security for the AWS Cloud

## vSRX

### Network Protection with Juniper Networks

Enterprises looking for a security solution that complements the scalability and agility of their AWS deployment should look no further than Juniper Networks vSRX Virtual Firewall. The vSRX is a powerful virtual security solution that delivers the same set of features as Juniper Networks physical SRX Series Services Gateways, including next-generation firewall, routing capabilities, IPSec connectivity, VPN, NAT, L4-L7 security, IPS, and UTM. Customers can seamlessly and securely connect their on-premises infrastructure to the cloud by extending the vSRX to AWS.

### Features & Benefits

- Intuitive management:** Monitor and enforce security across on-premises and AWS workloads from a single pane of glass.
- Consistent security:** Extend on-premises security policies and technologies to your AWS environment.
- Granular control:** Strengthen your security posture with user- and group-based policy control over traffic, IPSec virtual private networks, application control and visibility, and antivirus, antispam, and web and content filtering.

### Use Cases

- Enterprise expansion:** The vSRX helps organizations add new branch offices in geographically dispersed locations by rolling out consistent security policies across deployments, enabling users to securely and efficiently access internal resources from their region.
- Workload distribution:** Using the vSRX customers can enable full mesh IPSec VPN connectivity and advanced security for workloads that are spread across geographically disparate VPCs. Using Security Director as single pane of management, customers can maintain consistent security posture between their on-premises and AWS deployments.

### Get Started with vSRX

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**Pay As You Go:** Try a 30-Day [free trial](#) of the Application Security & Application Security and UTM bundles

## Junos® Operating System

Juniper Networks eliminates the complexity of traditional IT management by using a common operating system across all networking and security platforms—including on-premises and AWS deployments. Junos® OS, built with 20+ years of reliability, security, and flexibility as its core principle, runs some of the world's largest and most sophisticated networks, giving operators a competitive edge by reducing the learning curve. Offering powerful automation capabilities, Junos® OS streamlines resource provisioning and integrates easily with application development environments, allowing IT managers to focus on innovation rather than administrative tasks. Leveraging Junos® OS, IT managers get the consistency they need to easily adopt not only the vMX and the vSRX, but the AWS Cloud as a whole.

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