

# Palo Alto Networks VM-Series on AWS

Virtualized firewall provides security,  
accelerating the financial sector's adoption of AWS



Palo Alto Networks is an AWS Security and Networking Technology Competency Partner.

## Industry trends

The financial sector is rapidly adopting cloud as a means to gain a competitive edge and manage IT costs more effectively. The agility, flexibility, and economics of public cloud infrastructure are viewed as complementary to their private data centers; but ensuring the protection of regulated and business-critical data is still top of mind — regardless of where it resides.

## Challenges

As Amazon Web Services (AWS) becomes the dominant deployment platform for business-critical applications, protecting the increased public cloud footprint from threats, data loss, and associated business disruption remains a significant challenge for the financial sector. Moreover, as financial institutions move beyond “lift and shift” tactics that simply migrate workloads to the public cloud, they will need to deploy applications that utilize both IaaS (infrastructure-as-a-service) workloads and PaaS (platform-as-a-service) to more rapidly address market demands and extend their competitive advantage.

## Solution overview



### VM-Series Virtualized Next-Generation Firewall

VM-Series on Amazon Web Services (AWS) complements AWS Security Groups and network Access Control Lists by uniquely classifying and segmenting your AWS traffic based on the application identity and applying threat prevention policies for your applications and data. VM-Series for AWS natively brings together key network security functions, including a next-generation firewall, URL filtering, and Intrusion Detection Systems/ Intrusion Prevention Systems. Beyond VM-Series, the Palo Alto Networks Security Operating Platform also includes inline, API-based, and host-based components for comprehensive cloud protection.



### Palo Alto Networks on AWS

VM-Series delivers the same set of next-generation firewall capabilities and runs the same PAN-OS® software as found on Palo Alto Networks hardware appliances used by multiple financial institutions already. VM-Series is available directly from Palo Alto Networks or in AWS Marketplace. Palo Alto Networks is an AWS Competency Partner for Security and Networking Technology.

# Financial Services Partner Solutions

Discover scalable and secure Financial Services solutions that will empower you to achieve your business needs with AWS and AWS Partner Network (APN) Partners that have attained Financial Services AWS Competency designations. Customer ready solutions are based on architectures validated by AWS, include a combination of AWS services and APN Partner technologies, can be deployed quickly with solution accelerators to accelerate your cloud transformation.

## Benefits

Palo Alto Networks VM-Series on AWS enables financial institutions to accelerate their cloud journey with its next generation firewall.



### Improve application visibility

Classify traffic based on the application, not just the port, giving full visibility into your threat exposure



### Detect advanced threats

VM-Series detects previously unknown vulnerabilities, malware, and other threats



### Segment workloads

Isolate critical applications and data based on Zero Trust principles for controlling access



### Scale automatically based on demand

Running on AWS Auto Scaling and ELB allows VM-Series firewalls to dynamically scale as traffic patterns fluctuate

## How it works

The Palo Alto Networks next-generation firewall may be used in several capacities, including as an origination and termination point for securely connecting a private data center to AWS via AWS Direct Connect. This is a natural extension of network perimeter protection. VM-Series also can be used to control inter-VPC traffic. Using a "hub and spoke" design as an example, a transit Virtual Private Cloud (VPC) acts as the hub, and provides common functions such as domain name services, directory services, and firewall capabilities. Traffic between the spoke VPCs must traverse the hub, where the VM-Series ensures only expected application flows are permitted. Unknown traffic patterns, which may be indicative of malicious activity or threats, are blocked.

## Getting started

[Download from AWS Marketplace](#)

[Contact AWS or Palo Alto Networks](#)

[Palo Alto Networks offering on Solution Space](#)



About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 100 services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 49 Availability Zones (AZs) across 18 geographic regions in the United States, Canada, Europe, Asia, Australia and South America. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

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