

## Next-Generation Firewall

### Why VM-Series?

- Complements native AWS security with application enablement policies that prevent threats and data loss.
- Allows you to embed security in the application development process through automation and centralized management.
- Enables security to scale dynamically through the integration with AWS Auto Scaling and Gateway Load Balancing.
- Cost-effectively protects deployments with many virtual private clouds (VPCs) through a Transit VPC architecture.

### VM-Series Next-Generation Firewall

Palo Alto Networks VM-Series Virtualized Next-Generation Firewalls (NGFW) delivers layer 7 visibility and ML-powered threat protection for your workloads, applications, and data on AWS and hybrid cloud. VM-Series offers extensive integrations with AWS and third-party automation tools allowing you to embed next-generation security in AWS without sacrificing cloud agility, scale, and performance.

### VM-Series with AWS Benefits

#### Next-Generation Security

See and protect the applications on your AWS network:

- Traffic visibility that helps you identify applications and threats irrespective of ports, protocols, and evasion tactics
- Detection, alerting, and prevention of threats and data theft - even for encrypted traffic
- Inline machine learning (ML) protects against zero-day attacks
- Panorama management solution provides centralized visibility and policy management across several VM-series firewalls

#### Deeply Integrated with AWS

Take advantage of a wide array of AWS integrations:

- Integrates with AWS Security Hub and Control Center to enable automated responses to malicious actors
- Combine with AWS VPC networking with Transit Gateways, Traffic Mirroring, Ingress routing, Network Load Balancer, Application Load balancer, and Gateway Load Balancer

#### Dynamic. Automated. Built for the Cloud.

Flexible security ready for your AWS deployment:

- Automate the deployment and configuration of VM-Series with Terraform, CloudFormation, and other tools
- Autoscale VM-Series to meet performance demands
- Pay-as-you-go (PAYG) is pre-licensed firewall with bundled services and ready to deploy like elastic cloud compute
- Bring your own license (BYOL) allows you to choose firewall sizing and a la carte security services using flexible credits



Advanced  
Technology  
Partner

Security Competency

Networking  
Competency

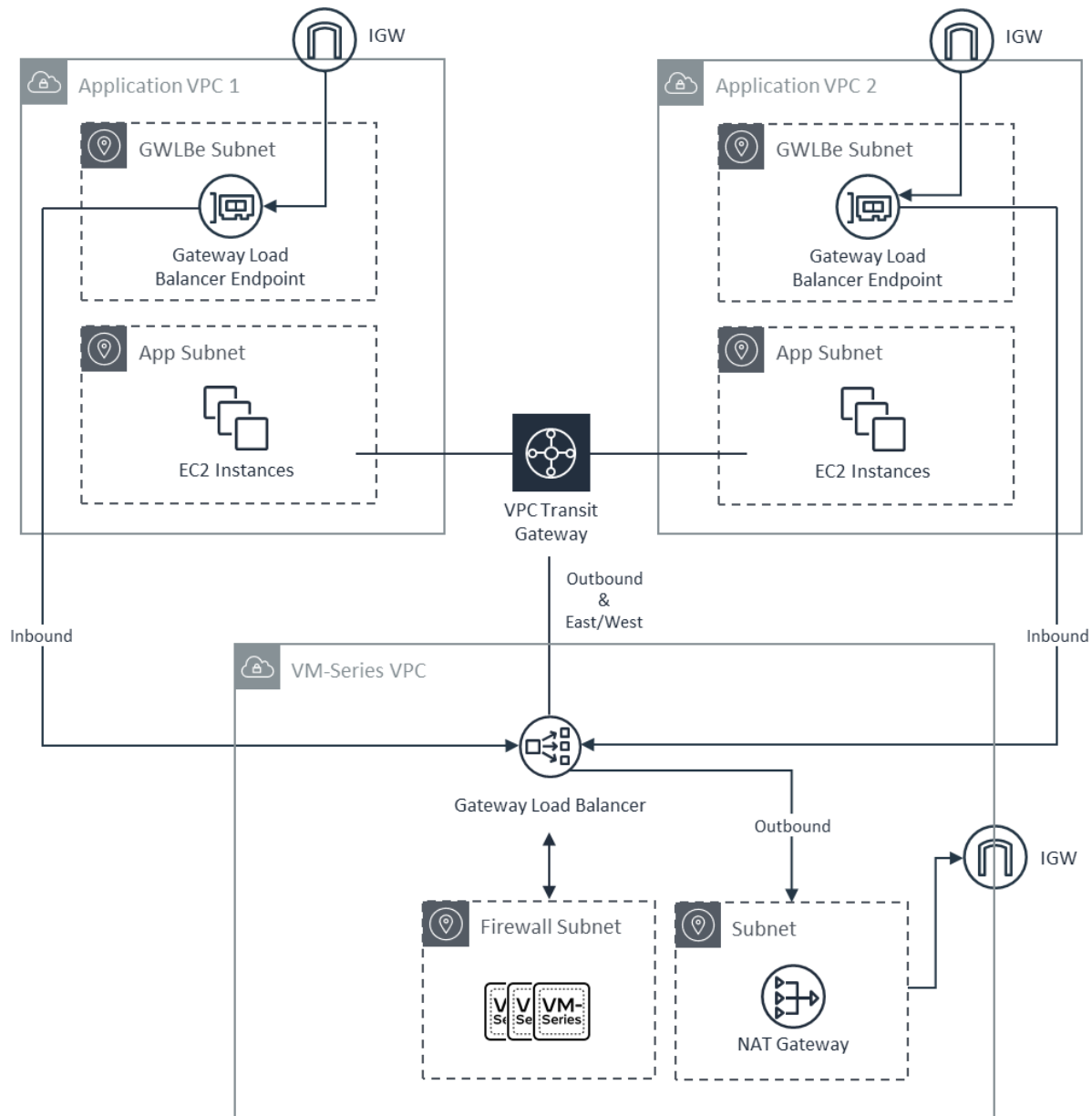
Containers  
Competency

Marketplace Seller

Public Sector Partner

## How it works

There are several architecture options [available](#) for VM-Series on AWS; however, integrating with the Amazon Gateway Load Balancer (GWLB) enables maximum flexibility, scalability, and performance when protecting inbound, outbound, and east/west traffic. The diagram below illustrates VM-Series with the GWLB, VPC Transit Gateway, Internet Gateway (IGW), and NAT Gateway.



### How VM-Series secures traffic in any direction:

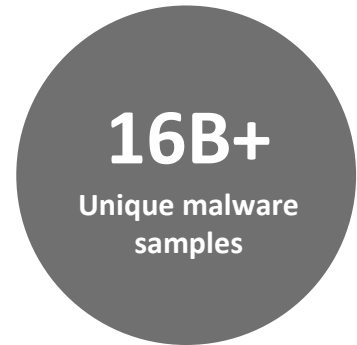
- **Inbound Requests:** Internet Gateway > GWLBe > GWLB > VM-Series > Application Instances.
- **Outbound Requests:** Application instances > VPC Transit Gateway > GWLB > VM-Series > NAT Gateway > Internet Gateway
- **East/West Requests:** Application instances > VPC Transit Gateway > GWLB > VPC Transit Gateway > Application Instances

Visit [here](#) for Gateway Load Balancer templates with VM-Series

## How customers use VM-Series

Warren Rogers, a leader in retail fuel monitoring and diagnostics, deployed VM-Series in AWS to create a PCI-compliant network that automatically blocks cardholder data from other network traffic.

## Why Palo Alto Networks?



## Additional Resources

- [Resource Library](#)
- [Datasheet](#)
- [Reference Architecture](#)
- [BYOL Solution Brief](#)



VM-Series License	Bundle 1	Bundle 2	Bring Your Own License (BYOL)
License Description	Pre-licensed with bundled subscriptions	Pre-licensed with bundled subscriptions	Choose any subscription a la carte
Premium Support	✓	✓	available
Threat Prevention (AV, IPS, and malware prevention)	✓	✓	available
GlobalProtect		✓	available
URL Filtering		✓	available
WildFire Malware Analysis		✓	available
Data Loss Prevention			available

For the latest specs, visit the [VM-Series on AWS capacity](#) and [VM-Series on AWS EC2 instances](#) documentation.

Solution available in [AWS Marketplace](#)