

Modern Networks

AWS Cloud Security with Palo Alto



THE CHALLENGE

As AWS environments grow, organizations often struggle to maintain consistent security controls and visibility across an increasingly dynamic cloud footprint. Security responsibilities become fragmented across accounts, teams, and native cloud services, creating gaps in traffic inspection and data protection while also forcing difficult choices between adopting new cloud-native tools or extending existing enterprise security platforms. The result is inconsistent enforcement, increased risk of misconfiguration, and operational inefficiencies as environments scale.

THE SOLUTION

Presidio's AWS Cloud Security with Palo Alto Deployment delivers a scalable, centralized approach to traffic inspection and segmentation across AWS environments. Using a dedicated security VPC integrated with the client's existing AWS transit architecture, Presidio deploys Palo Alto VM-Series firewalls to provide consistent inspection for ingress, egress, and east/west traffic.

The engagement includes discovery, design, and controlled implementation, integrating with the client's existing Panorama management platform and validating connectivity. The result is a centralized, cloud-native security foundation that simplifies operations while supporting future growth and architectural evolution.

KEY BENEFITS

- ◆ **Consistent security enforcement at scale** through centralized inspection and segmentation that reduce policy drift and misconfiguration risk as AWS environments grow.
- ◆ **Alignment with existing security tooling** by extending Palo Alto and Panorama into AWS, eliminating uncertainty around adopting new cloud-native tools or operating parallel security platforms.
- ◆ **Clear ownership and faster architecture decisions** enabled by a single, centralized security control point that removes ambiguity around how traffic is secured.
- ◆ **Improved operational visibility and day-to-day simplicity** through centralized inspection and logging that streamline troubleshooting, change management, and ongoing operations.
- ◆ **Cloud-native resilience and scalability** delivered using native AWS constructs and multi-AZ design to support availability, growth, and future expansion.

WHY PRESIDIO

Presidio is the bridge between where you've been (foundational IT) and where you're going (ultra-modern AI and cloud services), and we measure success in your terms. We strive to build lifetime relationships with those that give us their business, and we do so by being fearless, fast, flexible, and compassionate. It's our mission to earn your trust and deliver innovative, high-quality results at the speed your business needs to succeed.

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