Run your containers securely with Fortinet on AWS
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Reliable security for container-based development

Modern development organizations using DevOps have increasingly come to depend on containers. When you’re developing at market speed, the time it takes to address every possible issue and manually reconfigure security measures promises to slow development processes to a crawl.

While containers accelerate software development, security solutions often seem to get in the way. Threats to data integrity persist, whether from external sources like malware, phishing, and social engineering, or internally via misdelivery or misconfiguration. That’s why DevOps teams need security solutions that build upon the advantages of containers and work within the new microservices paradigm.

Catching vulnerabilities is a challenge, as only 14% of organizations have enabled full visibility into their DevOps environment from their SOCs. Development organizations are looking for ways to address these security concerns. Enter Fortinet, an AWS Partner Network (APN) partner, whose innovative security solution were designed expressly for the new reality of container-based development.

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Fortinet enables a smart and holistic approach to container security with its unique three-pillar cloud security strategy. Through native Amazon Web Services (AWS) integration, broad protection, and unified management, your security solution is integrated across your entire organization.

Container security solutions from Fortinet address the expanded attack surface, enabling security to be integrated in the container application life cycle and allowing organizations to deliver more secure applications.

Fortinet solutions get high marks from industry leaders who specialize in security assessment. Recently, NSS Labs awarded Fortinet’s Next-Generation Firewalls its sixth consecutive “Recommended” rating. Fortinet was also named a Leader in the 2018 Gartner Magic Quadrant for Enterprise Network Firewalls.

Figure 1. Protecting application containers throughout the application life cycle.
Fortinet solutions are specifically designed to cover the four key attributes of container security.

- Container-aware
- Container-enabled
- Container-integrated
- Container-registry
A suite of security options for your development needs

Fortinet’s broad and integrated solutions were designed to address threats so your team can concentrate on innovation and scaling fast.

For **container-aware security**, FortiGate next-generation firewalls utilize Security Fabric connectors that interface with major container orchestration systems to leverage metadata as security policy objects, including native Kubernetes and AWS Elastic Kubernetes Service (EKS).

**Container-enabled security** comes with FortiWeb Container Edition, which protects business-critical web applications and APIs from attacks that target known and unknown vulnerabilities uniquely leveraging Machine Learning to mitigate false positives and accelerate the fine tuning of policies. FortiWeb is offered as a native Docker container as well as an AWS ECS container marketplace offering.

For **container-integrated security**, Fortinet has partnered with Alcide on an integrated and automated solution for continuous cloud security, and with Tufin for a solution that orchestrates network security policy for Kubernetes and FortiGate-VM Firewalls.

For **container registry security**, FortiSandbox can scan container images for malware and vulnerabilities, an essential component of security strategies to help combat previously unknown threats.
Fortinet on AWS—security and scalability

Fortinet solutions on AWS go hand-in-hand, with FortiGate, FortiWeb, and FortiSandbox, and Fortinet’s partnered security programs natively integrated on AWS for optimal performance and scalability. The AWS data center and network architecture was built to meet the requirements of the most security-sensitive organizations, so Fortinet’s solutions are a perfect fit. And when you use AWS, you enjoy all the benefits of integrating with the cloud, including speed, agility, and limitless capacity.

Fortinet solutions are ready to provide security for your DevOps team, and are available in AWS Marketplace. Visit Fortinet in AWS Marketplace and begin securing your containers today.