

Avocado Systems

FAST FACTS

Company:
Avocado Systems

Contact:
info@avocadosystems.net

Website:
www.avocadosys.com

Company Description

Avocado Systems is a leader in container security, segmentation & compliance. Avocado Security Platform is a concept of embedding application security service functions (such as firewalls, IDS, IPS) into the application itself. The security function is intended to stay with the application in real time to monitor, intercept and mitigate attacks on application. Thus, bringing the security stack literally into the application, enabling applications to secure themselves and carry the security stack with themselves wherever they move within the enterprise or the cloud environment. Applications and data can be secured quickly without requiring any code modification, re-compilation or re-linking.

Product Profile:

Avocado Security Platform provides distributed and deterministic security for the scale out applications using application's lowest possible attack surface, our threat detection is deterministic without any false positives. Our machine learning based one touch application segmentation is dynamic and does not require policy creation. Perfectly suited for scale out and dynamic microservices architecture and stops lateral movement of the threats.

Overview

Delivering deterministic security, one-touch segmentation and compliance to containers deployed in data-centers or in the clouds.

Executive Summary

Microservices provide the perfect agility and DevOps freedom that IT managers need. There is no time to check the signatures or do a behavioral analysis for a microservice that is active for only for microseconds. Avocado Systems has partnered with Red Hat® to deterministically secure containerized microservices in real-time. By providing necessary security functions within the container, microservices are protected from any malware, ransomware, SQL-injection or zero-day attacks. The solution is easily deployed using DevOps tools such as Red Hat® OpenShift, Chef or Puppet.

Statement from Partner

“Application architecture is rapidly changing from monolithic virtual machine based to containerized microservices based. Our partnership with Red Hat provides much needed deterministic security and compliance. We secure Red Hat containers running any applications, on any platform, in any cloud.” - Amitabh Sinha , Title: Co-founder and VP of Products

Statement from Red Hat Connect

“Customers are looking to migrate their applications to the cloud leveraging containers as the deployment model,” said Mike Werner, senior director, Global Technology Partners, Red Hat. *“Red Hat container certification assures a supportable and performant platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like Avocado Systems, resulting in the world's largest commercial ecosystem for containers.”*

**TECHNOLOGY PARTNER****CERTIFIED TECHNOLOGY**

Product Benefits

Secure Red Hat containers running Any Application, on Any Platform and in Any Cloud

- High resolution one-touch segmentation ensures deterministic security without any false positives.
- Built-in security functions (NGFW, IDS, IPS) eliminate the need for expensive security appliances.
- Dev-ops friendly deployment, does not require application code changes, recompilation or re-linking.

Use Cases

Avocado Security Platform provides scale-out security to your container deployments to Bare Metal, VMs, Containers or Server-less application architecture. By design, it can massively scale to protect application instances in data centers, private, public, and hybrid clouds; spanning your needs as you grow.

- **Container security and compliance**

Provide the security functions in the containers via Avocado plugins. Distributed security via plugins eliminates the need for costly security appliances which cause traffic bottlenecks. Microservices are automatically discovered and secured without requiring any policies.

- **One-touch pico-segmentation**

Create dynamic pico-segmentation without creating any policies to stop lateral movement of the attacks.

- **DevOps friendly deployment**

Simplified deployment using OpenShift or any other DevOps tools. No need to change the code, recompile or re-link and no recompilation or even relinking.



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