**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.”
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.