

Qualys Container Security

Comprehensive Security for the ever-changing Container Stack

Agenda

Container Advantages

Container Deployments

Visibility & Control Challenges

Qualys Container Security Solution

Demo

Q&A



Everybody Loves Containers



Portability

Agility

Density

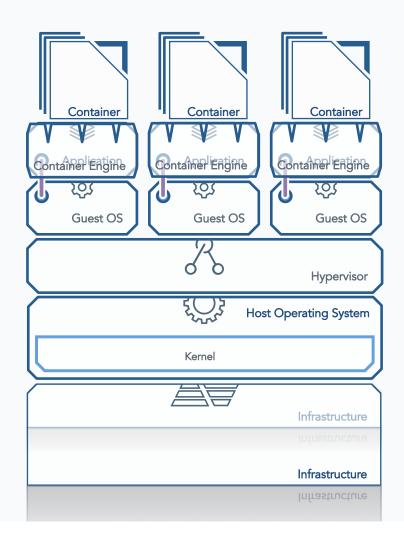




Deployment Scenario #1

Use Case

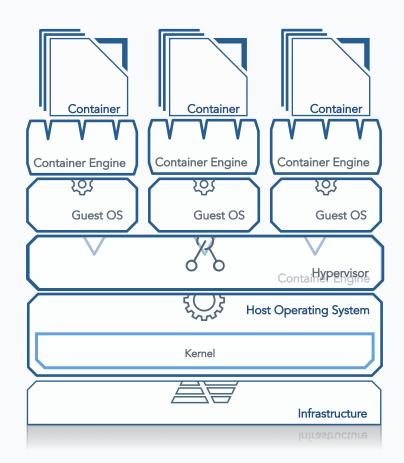
- 1. Shrinking infrastructure, as organizations continue migration to the cloud
- 2. Containers deployed within Virtual Machines
- 3. But organizations still have the overhead and costs of the hypervisor and virtual machines



Deployment Scenario #2

Use Case

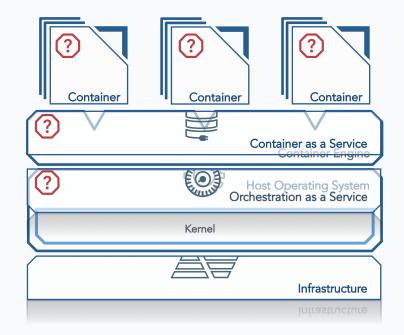
- 1. The orchestration battle ends with Kubernetes winning 80% of the market
- 2. But organizations struggle to scale their own Kubernetes clusters



Deployment Scenario #3

Use Case

- 1. Container-as-a-Service and Orchestration-as-a-Service adoption accelerate container adoption
- 2. Now where do you put security?





Container Lifecycle Challenges

Container Images

Container Registry

Build



What's in the images?

Vulnerabilities?

OSS license exposure?

Solution disruptive to my CI Pipeline?

Scanning report integrated with bug tracking?

Ship



Registry scanning?

Enforce compliance?

Vulnerability, package and license-based rules?

Vulnerability impact notifications?

Container Instances Infrastructure

Run

How to protect host?

Container engine configured correctly?

Container orchestration configured correctly?

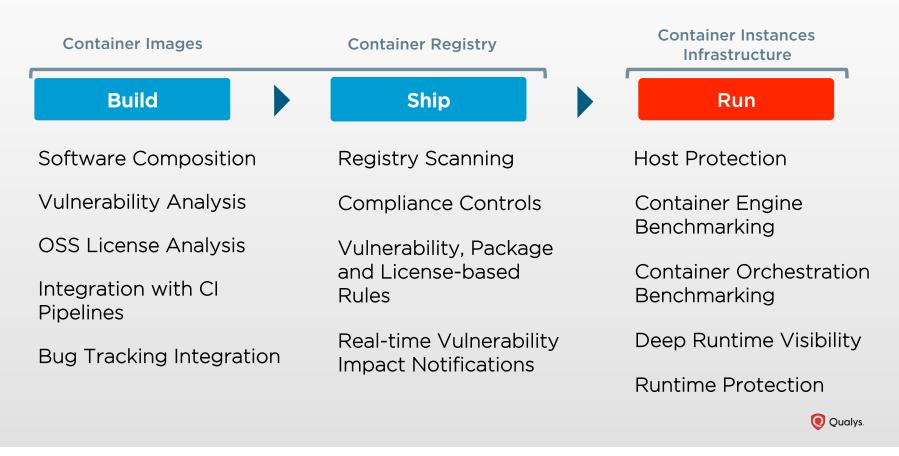
Runtime app visibility?

Runtime app protection?





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Host Protection

CIS Benchmarks

Protection for container infrastructure stack

Scanning & Compliance

Accurate insight and control of container images

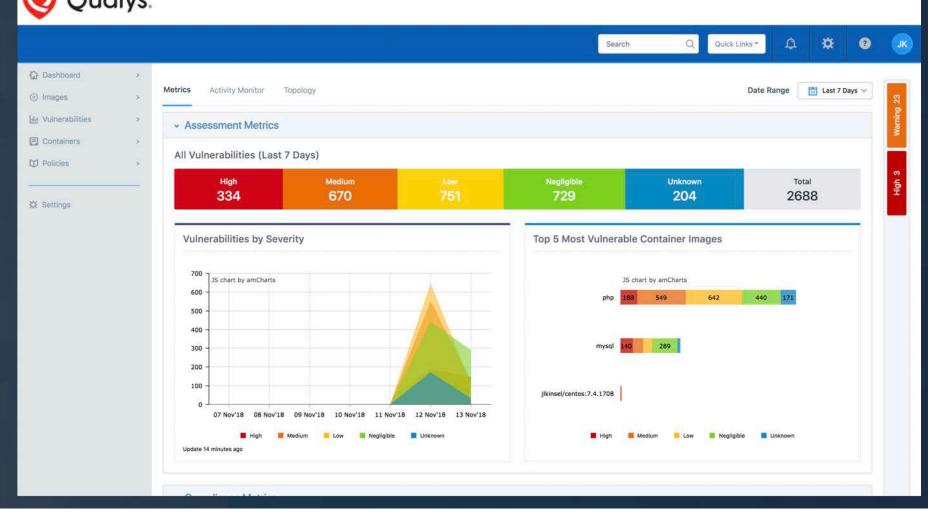
Visibility & Protection

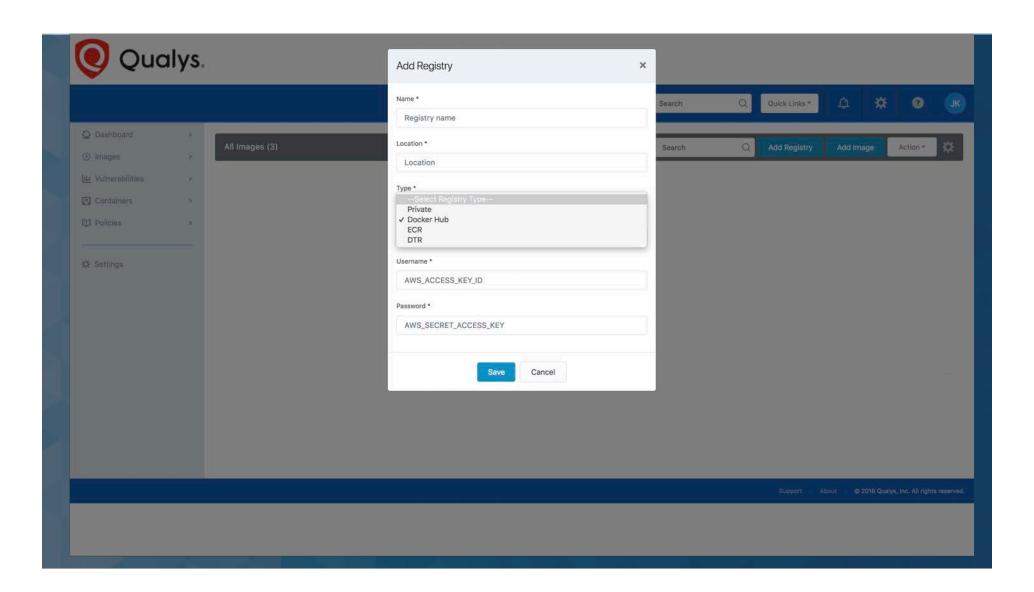
Automated analysis and enforcement of container behavior

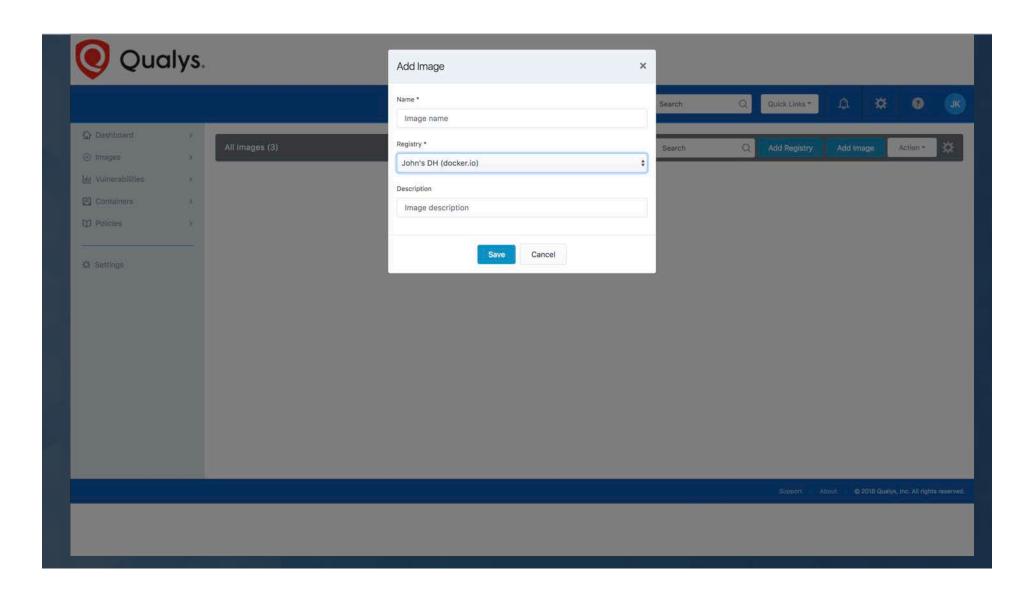




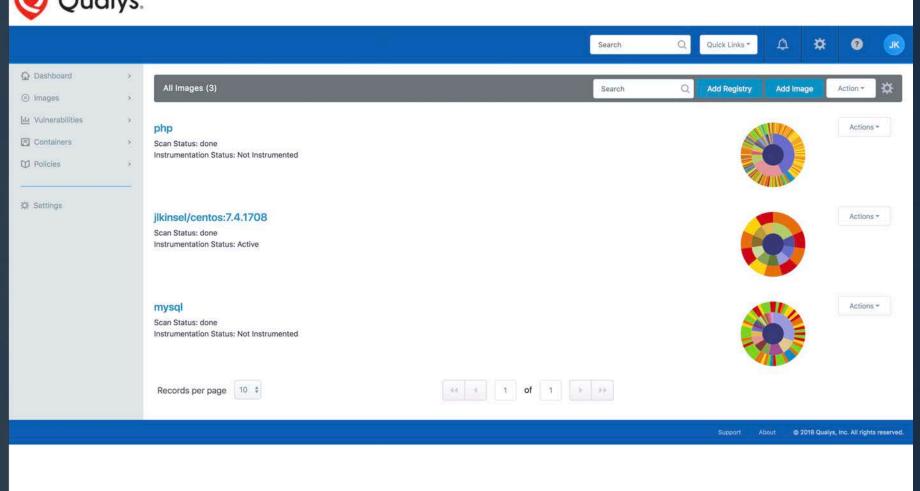


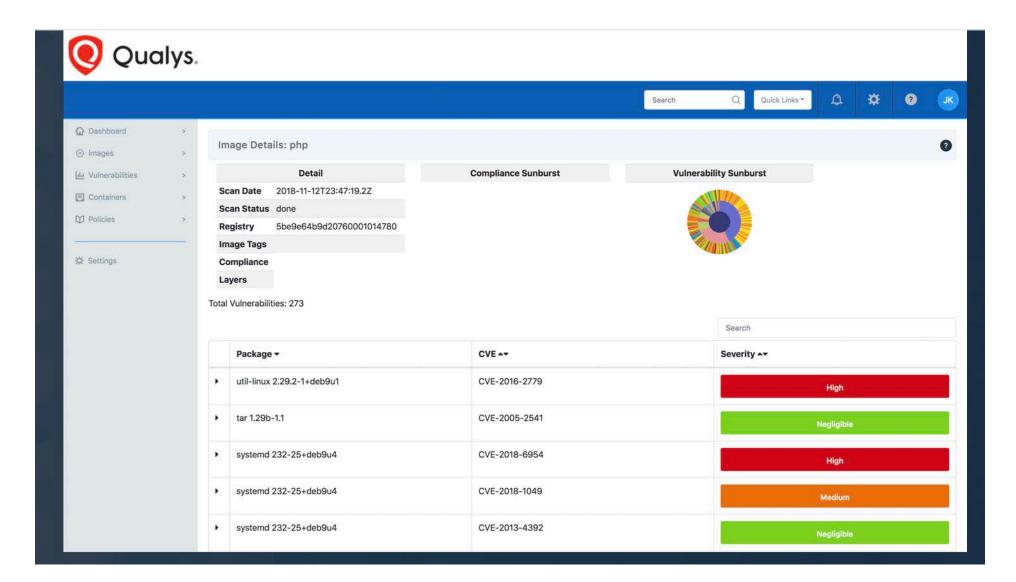


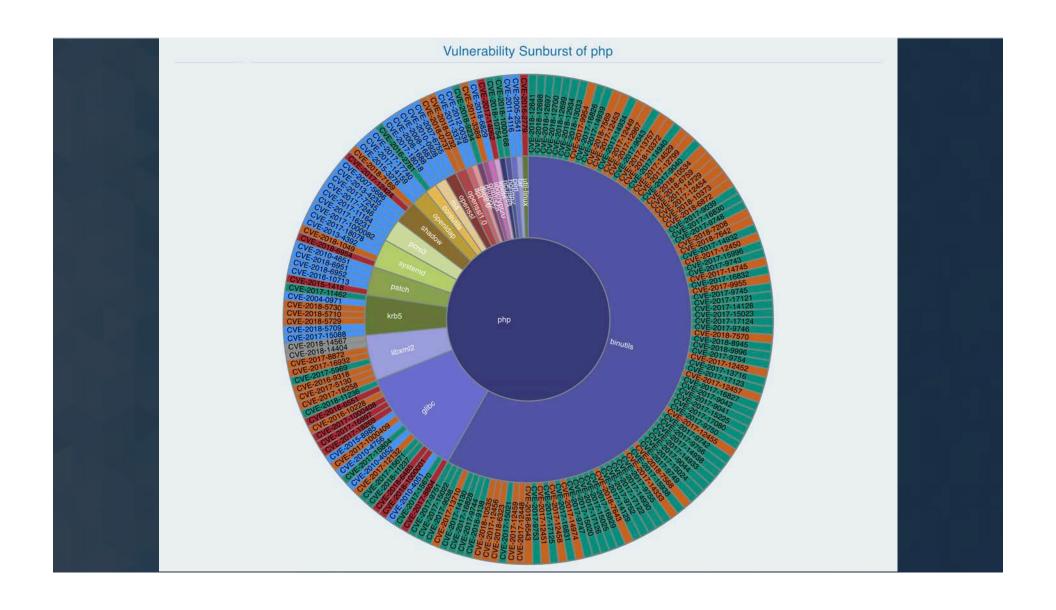




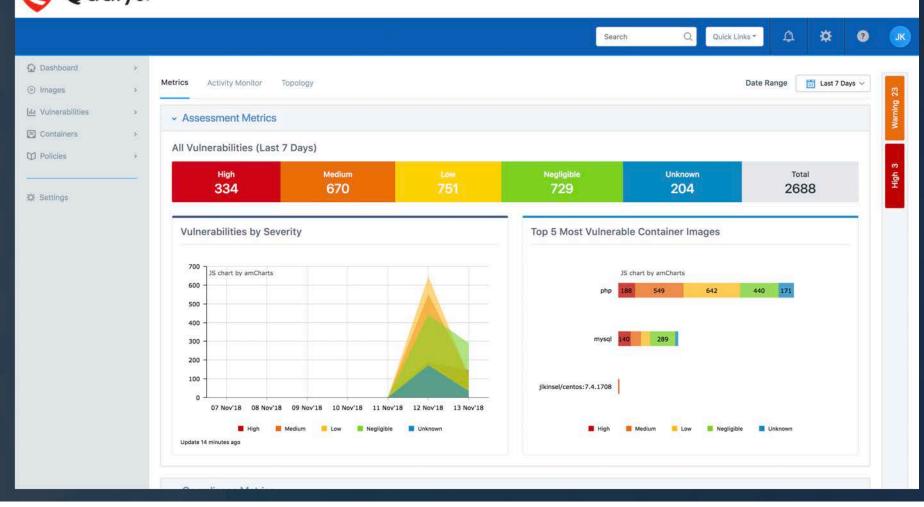




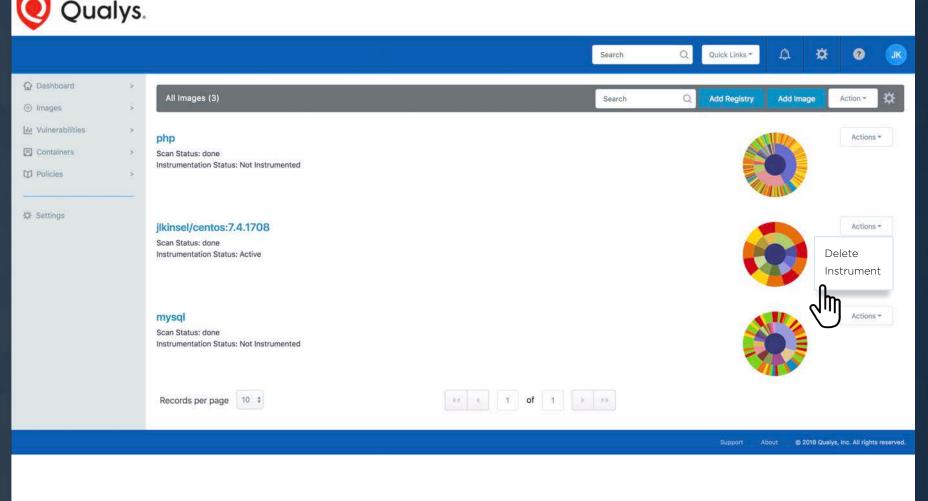


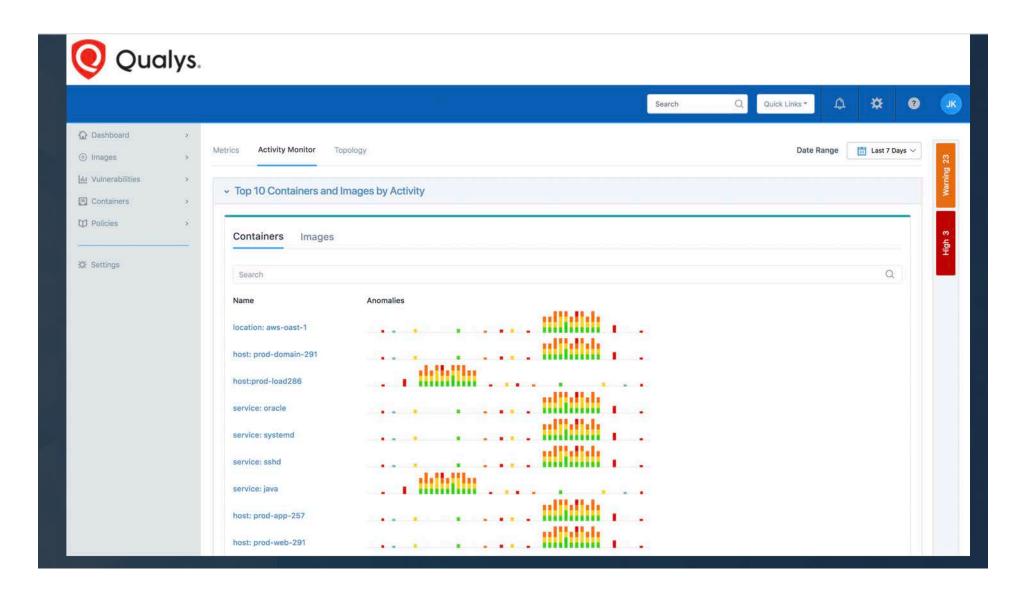


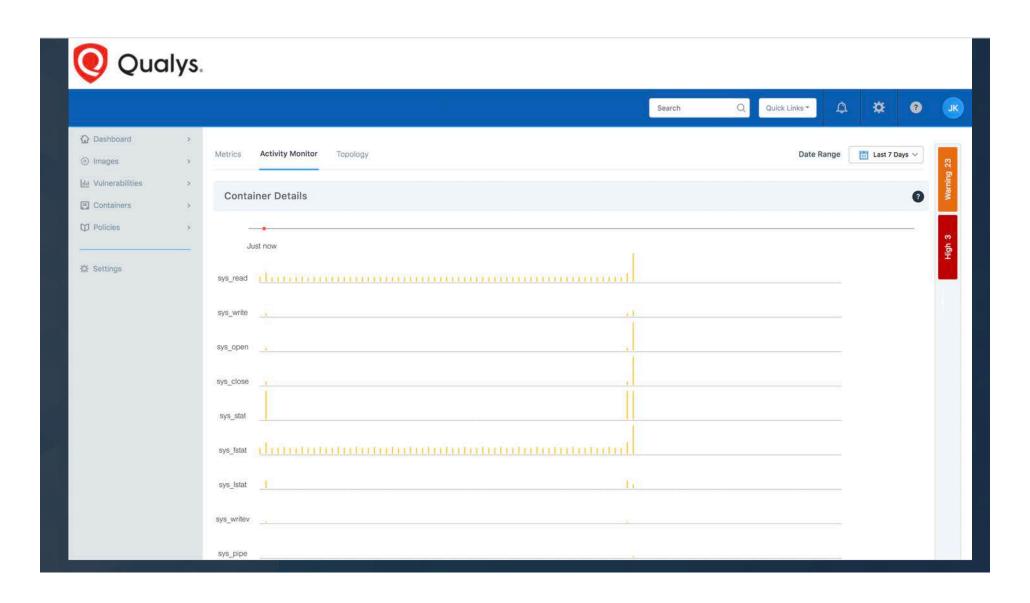


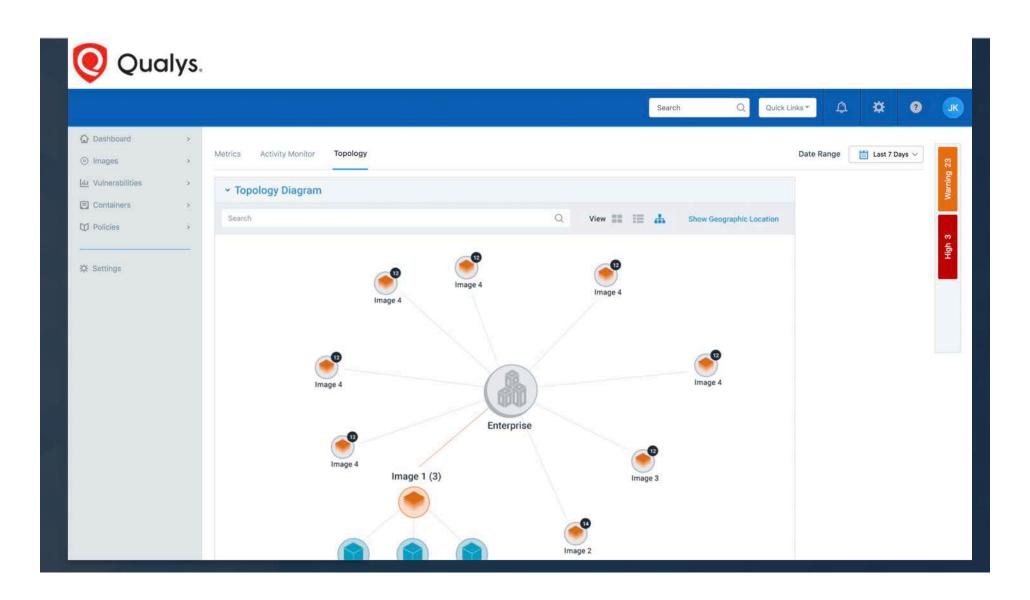


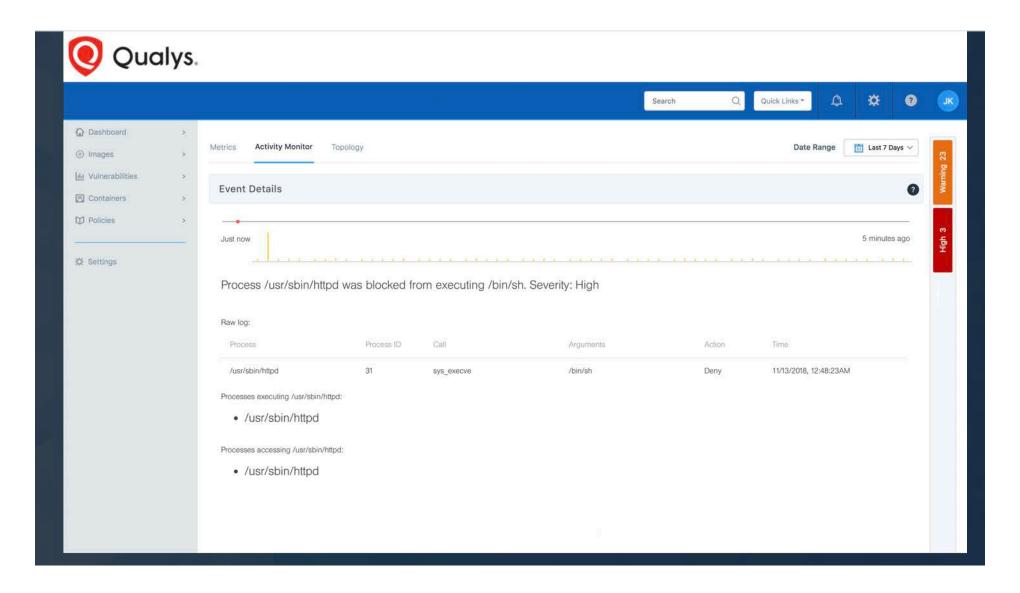














Product Overview

Qualys Container Security (CS), enables customers to build continuous security into their container deployments and DevOps processes at any scale, and integrate the results into one unified view of their global hybrid IT security and compliance posture, breaking down silos and lowering ownership cost. Qualys container security integrates with Jenkins, Bamboo to do Image Vulnerability Analysis. Scan your docker registeries like artifactory or ECR either on-demand or with an automated scan of images. Detect potential breaches by scan the running containers and detect drifts from the parent images. Adding Qualys Vulnerability Management and Policy Compliance for the hosts gives you comprehensive coverage of the complete stack. Download the sidecar container sensor image for your specific Qualys platform, follow the instructions and samples templates to deploy across your Build pipeline, EC2, ECS, EKS clusters and get started to gain visbility and security posture of your container environments.

Highlights

- Discover and inventory container assets across your AWS ECS, EKS or custom EC2 container deployments
- Perform container-native vulnerability analysis across Build pipeline like Jenkins, Bamboo, Scan ECR Registry and live container runtimes
- Detect potential breaches in runtimes, where containers are drifting and breaking immutable behavior



Thank You

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