

The Comprehensive Security Platform for Containers and Cloud-Native Applications

Software containers represent unique security challenges, due to the scale, agility and open nature of container environments. Aqua's platform is **natively architected for containers**, providing IT security with **full visibility and control** over container activity across the lifecycle, while remaining transparent and unintrusive to DevOps.

Full Visibility and Control

Gain visibility into container activity and enforce security policies

Integrated & Non-Intrusive

Automated security for the entire development-to-production lifecycle

Enabling DevSecOps

"Shift left" security with automated tests and controls within the CI/CD pipeline



Continuous Image Assurance

Scan images for known vulnerabilities, detect malicious code, and enforce image integrity throughout the lifecycle.



Runtime Protection

Advanced threat detection and mitigation, with container activity controls, network segmentation, and host integrity controls.



Intelligent Security Policy

Automated policy creation using machine learning that understands contextual container behavior.



Security Automation at Scale

Zero-touch deployment and management, with APIs and integrations with orchestration tools.



Fine-Grained User Access Control

Role-based permissions per specific container, image, host, cluster, namespace, network and storage volume.



Cross-Platform

Supports Docker and Kubernetes environments, Linux and Windows Containers, on-prem or on public cloud.

The End-to-End Platform for Container Security

Continuous Image Assurance

- Scan for known vulnerabilities, malware, hard-coded secrets, based on a continuous feed correlated across multiple source
- Scans OS packages (RPM and Deb) and language packages: Java, NodeJS, Ruby, PHP, Python, C/C++
- Integrates with CI/CD to automate security testing in the pipeline, and with Jira for developer feedback

User Access Control

- Role-based privilege definition per container/host/application/network/storage volume
- Allow/disallow specific user actions, e.g. start/stop, log access, read/write access, volume access

Secrets Management

- Securely inject secrets into containers with no downtime
- Integrates with HashiCorp Vault, CyberArk Password Vault, AWS KMS and Azure Vaults

Runtime Protection

- Real-time monitoring of container activity against security policies
- Block specific activities and attacks without killing the container

Microservices Firewall

- Visualize container networking
- Nano-segment container networking based on application

Auditing & Compliance

- CIS Benchmark tests for Kubernetes and Docker
- Scan hosts for vulnerabilities and malware
- Granular event logging and report

Integrations

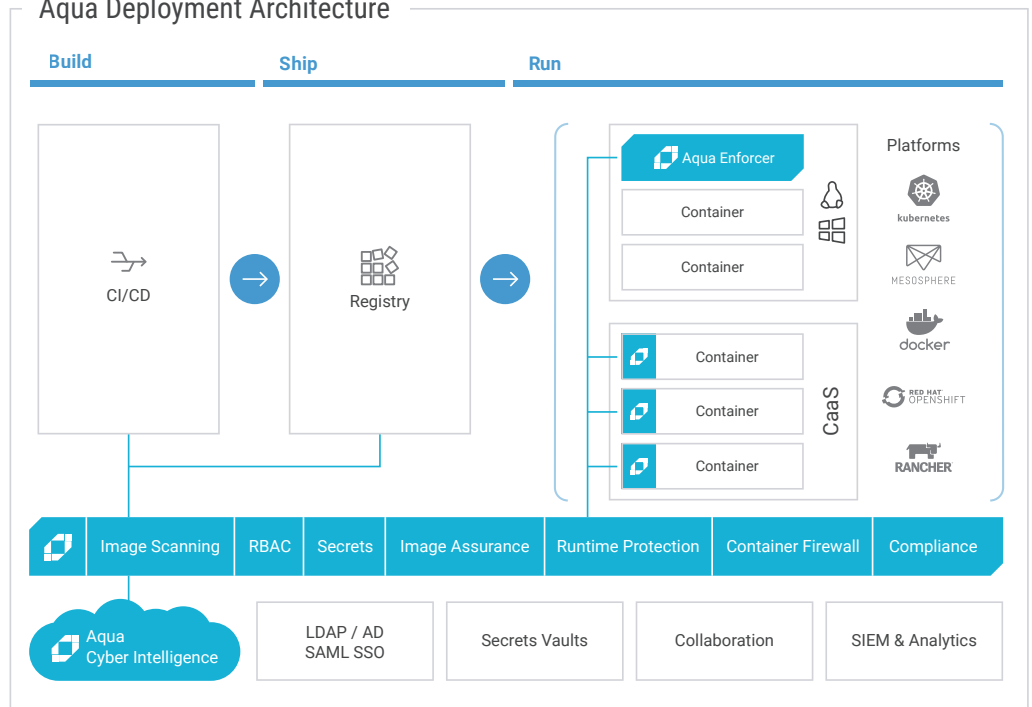
- CI/CD tools: Jenkins, GoCD, TeamCity, Bamboo, GitLab and Microsoft VSTS
- SIEM, Analytics and Alerts: Sumologic, Syslog, ArcSight, Loggly, Logentries, Microsoft OMS, ElasticSearch

- Identity Mgmt: Active Directory / LDAP, SAML Single Sign-On

Supported Environments

- Linux and Windows Containers
- Registries: DockerHub, Amazon ECR, Google GCR, CoreOS Quay, JFrog Artifactory, Azure ACR or any v1/v2 registries
- Orchestrators: Kubernetes, Mesos, Docker Swarm, Red Hat OpenShift, Amazon ECS, Rancher
- Cloud Deployment: AWS, Google Cloud, IBM Cloud, Microsoft Azure

Aqua Deployment Architecture



About Aqua

Aqua Security enables enterprises to secure their container-based applications from development to production, accelerating container adoption and bridging the gap between DevOps and IT security.

Aqua's Container Security Platform provides full visibility into container activity, allowing organizations to detect and prevent suspicious activity and attacks, providing transparent, automated security while helping to enforce policy and simplify regulatory compliance.

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