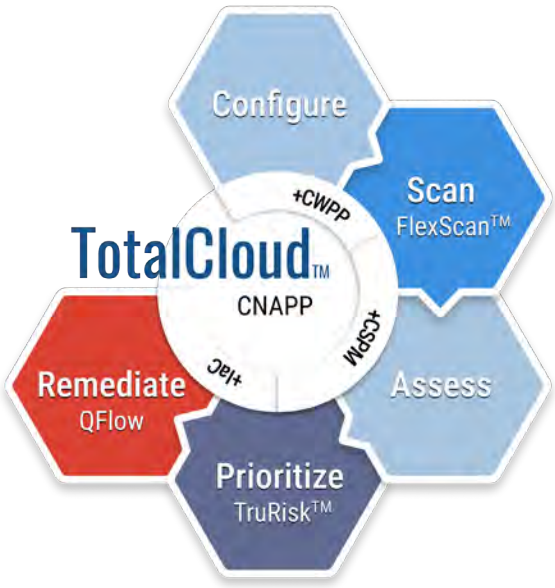
Qualys TotalCloud™ with FlexScan™

Simplifying Cloud-native Security

Simplify cloud-native vulnerability management, detection, and response with the industry's most accurate vulnerability detection and response cloud platform.

Qualys TotalCloud brings Qualys VMDR to cloud-native infrastructure and application security with zero-touch assessment, to continuously assess your cloud security posture, prioritize your highest risks, and secure all your cloud-native workloads.



TotalCloud with FlexScan Delivers Zero-touch Cloud-native Security

FlexScan

Comprehensive cloud-native assessment

Qualys FlexScan allows organizations to combine multiple cloud scanning options for the most accurate security assessment of their cloud environment.

Immediate multi-cloud posture insights

Unified cloud posture dashboard provides inventory, security, and compliance posture insights across multi-cloud environments in minutes.

QFlow

Fast remediation with no-code, drag-and-drop workflows

The integration of QFlow technology into TotalCloud saves security and DevOps teams valuable time and resources remediating misconfigurations, and quarantining high-risk assets.

TruRisk

Unified security view to prioritize cloud risk with TruRisk

A single view of cloud security insights across cloud workloads, services and resources is provided via the console. Quantifying security risk by workload criticality and vulnerability detections, malware and exploitation threat intelligence to prioritize and reduce risk.

Shift-left security to catch issues early

TotalCloud provides shift-left security integrated into developers existing CI/CD tools to continuously assess cloud workloads, containers and Infrastructure as Code (IaC) artifacts for the major cloud providers including AWS, Azure and Google Cloud.

A single solution for simplifying cloud-native security assessment, visibility, and remediation.

Qualys TotalCloud with FlexScan enables an organization to take a zero-touch assessment, risk-based approach with unmatched vulnerability detection accuracy to continuously secure cloud infrastructure and applications.

Qualys TotalCloud provides a comprehensive cloud-native application protection platform (CNAPP) that unifies cloud security posture management (CSPM) and cloud workload protection (CWPP) leveraging Qualys VMDR and the Qualys cloud platform's natively integrated applications and services. With Qualys TotalCloud, you get a risk-based cloud-native security solution that provides multi-cloud posture visibility and prioritizes cloud misconfigurations, vulnerabilities, assets, and groups of assets based on risk. Gain visibility and control of ephemeral resources through continuously updated and historical views of your cloud inventory and the relationships of assets and resources across multiple dimensions, including instances, services, accounts, security groups, and network interfaces. Qualys TotalCloud provides for rapid remediation of misconfigurations and vulnerabilities with tight integration with ITSM solutions such as ServiceNow ITSM to help operationalize and automate IT workflows.

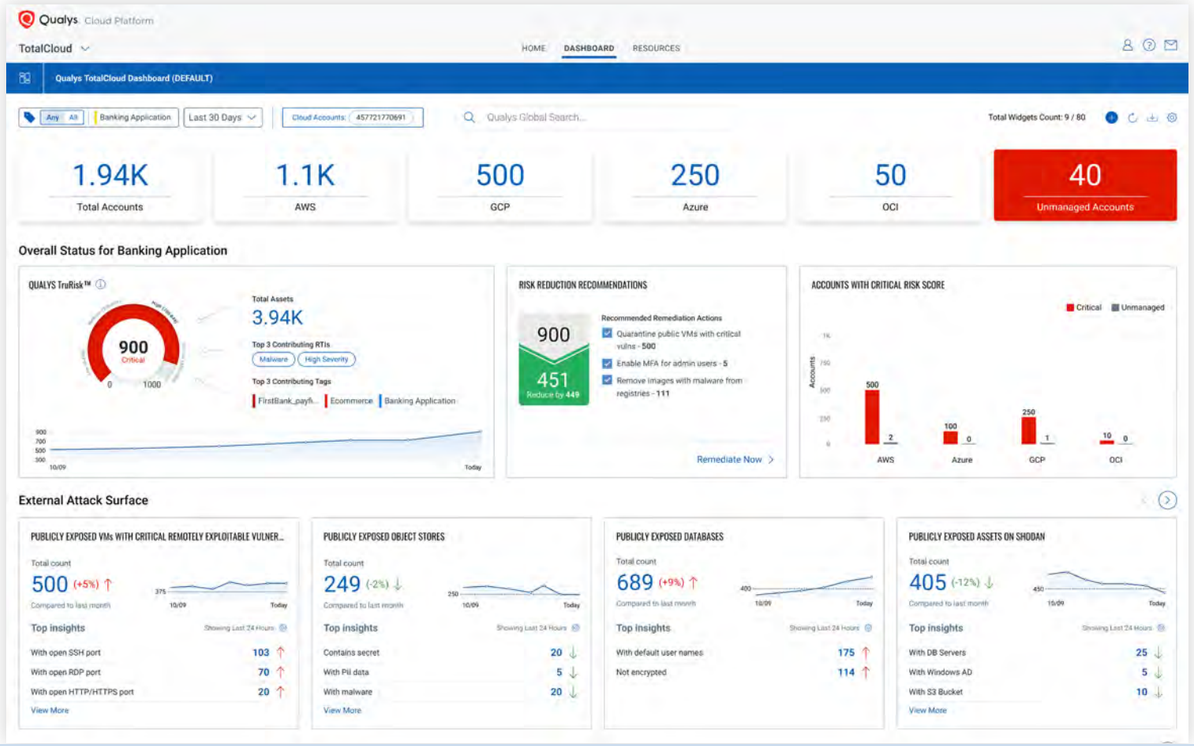
Qualys FlexScan comprehensive cloud-native assessment

Provides security teams with multiple hybrid assessment capabilities to secure the entire cloud attack surface including:

- No-touch, agent-less, cloud service provider API-based scanning for fast analysis.
- Virtual appliance-based scanning to assess unknown workloads over the network for open ports and remotely exploitable vulnerability detection.
- Snapshot assessment that mounts the workload snapshot for periodic offline scanning including vulnerabilities and OSS scanning.
- Qualys Cloud Agents in the workload for real-time comprehensive vulnerability, configuration, and security assessment.

Secure Your Shift-left Journey

Qualys TotalCloud protects the code pipeline from build to runtime with cloud-native workload security. By integrating CI/CD tools and workflows, DevSecOps and developer teams can proactively detect insecure configurations and software vulnerabilities.



KEY BENEFITS

It's all in the cloud

Everything is in the cloud and ready to run.

Centralized Cloud Security Posture

Visualize all cloud and cloud-native assets and resources in one place.

Continuous Cloud-Native Application Security

Start secure and stay secure across all your public clouds and integrated with your existing CI/CD tool chains and developer workflows.

Accelerate MTTR with Six Sigma Accuracy

Leverage Qualys VMDR Six Sigma 99.99966% vulnerability detection accuracy, significantly reducing false positives.

1

CONFIGURE

Simplified Multi-cloud Security Configuration

Qualys FlexScan™ organization-level connectors simplify establishing connections to your public cloud providers. Configure only one connector per public cloud provider to support all your organization-wide accounts automatically discovering and assessing for vulnerabilities and misconfigurations.

2

SCAN

Discover and Inventory Cloud Resources

TotalCloud combines multiple scanning techniques to provide cost-effective, comprehensive cloud inventory and six sigma accurate detection of vulnerabilities.

3

ASSESS

Understand Your Multi-Cloud Posture

Security analysts can easily visualize their organization's multi-cloud security posture with the TotalCloud unified cloud dashboard, gaining instant insights into cloud infrastructure and workload exposures across both multi-cloud and cloud-native environments.

4

PRIORITIZE

Identify the Highest Risk Exposures

Prioritize cloud misconfigurations, vulnerabilities and assets based on their business criticality and risk, leveraging Qualys TruRisk™ prioritization. Using a single cloud platform discover, assess, prioritize, and fix critical cloud infrastructure and cloud-native workload exposures.

5

REMEDIATE

Automate Risk Remediation

Utilize Qualys QFlow™ no-code workflow engine to automate time-consuming and complex tasks with drag-and-drop visual workflows simplifying and accelerating tasks including assessments for ephemeral cloud assets, alerting for high-profile threats, or quarantining high-risk assets. With natively integrated patching teams can automate and directly remediate exposures dramatically shortening MTTR.

Qualys TotalCloud™— Cloud-native VMDR

		TotalCloud	Cloud View	VMDR	Container Security
Multi-cloud Posture Dashboard	Continuously monitor your cloud security posture through a single integrated view of the highest risk assets, and misconfigurations.	○			
Zero-touch Assessment	Zero-Touch Integrated Assessment: API, Agent, Snapshot-based and Network-based Scanning for Rapid Cloud Inventory and Assessment.	○		○	
Automated Remediation Workflows	Use QFlow's low-code/no-code tools and automation engine to automate cloud security workflows.	○	○	○	
Qualys TruRisk Based Prioritization	The Qualys TruRisk score combines real-time intelligence of malware, historical vulnerability data, threats, and asset criticality to identify the true risk to an organization to prioritize the most critical actions.	○		○	
REST APIs and Integration	All features are accessible via REST APIs. These are documented with examples and easy test options in Swagger, enabling DevOps teams to integrate security across their CI/CD toolchain.	○	○	○	○
USE CASE: CLOUD SECURITY POSTURE MANAGEMENT					
Continuous Security Checks	Provides continuous asset detection and analysis, continuous monitoring, and identification of cloud misconfigurations and unused resources including PaaS/IaaS resources, and Kubernetes for misconfigurations and non-standard deployments.	○	○		
CIS Benchmark Coverage	Complete coverage of CIS foundation benchmarks, Cloud Service Provider benchmarks, and Qualys best practices, including Kubernetes.	○	○		
Integration withthe CI/CD toolchain	Integrates seamlessly with the CI/CD toolchain, such as Jenkins, Azure DevOps, and others, providing DevOps teams with real-time assessments.	○	○		○
Infrastructure-as-Code Assessment	The Infrastructure as Code (IaC) templates offer early visibility to misconfigurations in your cloud deployments with support for Terraform, AWS CloudFormation, and Azure ARM, as well as AWS, Azure, and GCP.	○	○		
One-click remediation	One-click remediation for high visibility security controls.	○	○		
Threat Protection	Prioritize and patch for the most critical threats. Using real-time threat intelligence and machine learning, take control of evolving threats and identify what to remediate first.	○	○		
USE CASE: CLOUD WORKLOAD PROTECTION					
Vulnerability Management	Detects software vulnerabilities continuously across the widest range of assets categories including container images and running containers in your environment for high-severity vulnerabilities, unapproved images, and over-privileged entitlements	○		○	○
Detect and block drifting runtimes	Rogue vulnerabilities and software packages are classified granularly for a complete understanding of the anomaly.	○			○
Container Runtime Security	Secure, protect, and monitor running containers, including Docker Engine, CRI-O, cri-containerd and Container-as-a-Service environments with granular behavioral policy enforcement.	○			○
Discover and inventory container assets	Provide centralized, continuous discovery and tracking for containers and images with comprehensive metadata for container environments, deployment, services, users, networks, exposed ports, and privileged status.	○			○
Kubernetes Support	Supports both private upstream Kubernetes and certified Kubernetes distributions.	○			○
Monitor and block behaviors	Govern runtime behavior, including file access, network communications, and process activity. Dynamically update the policies on running containers without re-start.	○			○
Patch Detection	Correlates vulnerabilities with available patches. Search for CVEs and identify the latest superseding patch that is available for it.	○		○	○
Comprehensive Container Framework Support	Qualys Container Security supports major container frameworks, Kubernetes, OpenShift, AKS, EKS, GKE, ECS, Mesos DC/OS, Docker Swarm, and multiple container runtimes (Docker, containerd, CRI-O).	○			○
Benchmark Coverage	Complete coverage of CIS foundation benchmarks for Docker.	○			○

View complete capbilities listing online at: qualys.com/apps/totalcloud