Expand your cybersecurity program with complete visibility

Mark Holub
Compliance Security Solutions Architect

October 2019
Digital Transformation
More than just adopting new technology

Powered by IT innovation

Security can’t be after thought
Digital Transformation
Cloud Infrastructure

More of IaaS & PaaS

But still running your code
Digital Transformation
DevOps Innovation

Cloud Migration
Container Revolution

Scale & Elasticity
Digital Transformation
What about Security?

DevSecOps!

More Dev than Sec or Ops
Built-in not bolted-on
Journey into the Cloud
Hindered by the Silos

- Datacenter Infrastructure Security
- Corporate User Endpoint Security
- Cloud Security
- Web Application Security (AppSec)
- CI/CD security automation (DevOps/DevSecOps)
- IT Asset Configuration Compliance & Audit
Multiple Point Security Solutions
Both Legacy and Next-Gen
Single Pane of Glass (Desire)
Single Pane of Glass (Reality)
Qualys Cloud Platform

Unified approach to detection, prevention & response across on-premise, cloud and endpoints
End-to-end Security Architecture
Automated Continuous Monitoring & Response

Discovery
On-Prem
Cloud
Mobile Devices
OT/ICS
IoT
CMDB
Inventory

Prevention
Security Hygiene
Vulnerability Assessment
Threat Prioritization
Patch Management
Configuration Assessment

Detection
Endpoint Activity
Cloud Infra Monitoring
Network Activity

Response
Security Orchestration
Incident Response
Quarantine
NAC
Qualys Sensors
Scalable, self-updating & centrally managed

Physical
Legacy data centers
Corporate infrastructure
Continuous security and compliance scanning

Virtual
Private cloud infrastructure
Virtualized Infrastructure
Continuous security and compliance scanning

Cloud/Container
Commercial IaaS & PaaS clouds
Virtualized Infrastructure
Pre-certified in market place
Fully automated with API orchestration
Continuous security and compliance scanning

Cloud Agents
Light weight, multi-platform
On premise, elastic cloud & endpoints
Real-time data collection
Continuous evaluation on platform for security and compliance

Passive
Passively sniff on network
Real-time device discovery & identification
Identification of APT network traffic
Extract malware files from network for analysis

API
Integration with Threat Intel feeds
CMDB Integration
Log connectors

Agentless + Agent Based + Passive
Qualys Cloud Apps

ASSET MANAGEMENT

AI - Asset Inventory
Discover, normalize, and catalog all global IT assets

CMDB Sync
Synchronize asset information from Qualys into ServiceNow CMDB

CI - Cloud Inventory
Inventory of all your cloud assets across AWS, Azure, GCP and others

CRI - Certificate Inventory
Inventory of TLS/SSL digital certificates on a global scale

IT SECURITY

VM - Vulnerability Management
Continuously detect and protect against attacks, anytime, anywhere

Threat Protection
Pinpoint your most critical threats and prioritize patching

TP - Indication of Compromise
Continuously monitor endpoints to detect suspicious activity

CM - Continuous Monitoring
Alerts you in real time about network irregularities

CS - Container Security
Discover, track, and continuously protect containers

CRA - Certificate Assessment
Assess all your digital certificates for TLS/SSL vulnerabilities

COMPLIANCE MONITORING

PC - Policy Compliance
Assess security configurations of IT systems throughout your network

PCI - PCI Compliance
Automate, simplify and attain PCI compliance quickly

PCI - Security Configuration Assessment
Automate configuration assessment of global IT assets

SAQ - Security Assessment Questionnaire
Minimize the risk of doing business with vendors and other third parties

CIA - Cloud Security Assessment
Get full visibility and control across all public cloud instances

FIM - File Integrity Monitoring
Log and track file changes across global IT systems

WEB APPLICATION SECURITY

WAS - Web Application Scanning
Secure web applications with end-to-end protection

WAF - Web Application Firewall
Block attacks and virtually patch web application vulnerabilities

Available on Cloud Agent
Free Service for External
Qualys Cloud Platform
Scalable, Micro-services, DevOps

Qualys Streaming Data Backbone

Platform Services

Alerting, Analytics, Indexing Service, Asset Tagging Service
Qualys Cloud Platform
Unified approach to prevention and response

Integrated Suite of Applications
- CA
- AI
- VM
- CM
- TP
- FIM
- PC
- PCI
- SAQ
- IOC
- WAS
- WAF

Analytics and Reporting Engines
- kafka
- ceph
- elastic
- cassandra
- redis
- Flink
- Microservices

Distributed Sensors
- Hardware
- Virtual
- Cloud
- Agent
- Passive
- API
Single Pane of Glass

Dynamic and customizable dashboards
Centrally managed, self-updating, integrated Cloud Apps

1+ trillion
Security Events

3+ billion
IP Scans/Audits a Year

250+ billion
Data Points Indexed on Elasticsearch Clusters

99.9996%
Six Sigma Scanning Accuracy
Qualys Platform for Hybrid Cloud and DevSecOps

Vulnerability Management
Find vulnerabilities in operating systems, commercial software, and open source
Verification of Fixed vulnerabilities

Web Application Scanning
OWASP Top 10
Input Validation Vulnerabilities
SQL Injection / Cross-site Scripting

Configuration Compliance
Verifying build compliance
Detect changes from baseline

Container Security
Inventory Tracking
Vulnerability Management
Events and Change Tracking

API
Plug-ins
UI

17
Qualys Cloud Platform Operations

Global Infrastructure
3+ Billion Scans Annually*

6 Public Clouds online in US, EU and IN

Private Clouds as a Platform Appliance or a Virtual Data Center (65 plus)

Public Clouds
Private Clouds

Raleigh, NC
Redwood Shores, CA
France, EU
Pune, India

Signature Updates
Software Updates
Operation, Administration and Maintenance

Qualys Cloud Platform Operations
Qualys Cloud Platform
A new unified to enhance your security program

- 2-second visibility across all of your global IT assets (on premise, endpoints and cloud assets)
- Continuous assessment of your global security & compliance posture
- Identify compromise-able and compromised assets
- Consolidate all your security and compliance stacks
- Secure your digital transformation
- Drastically reduce your spend
Thank You

Mark Holub
mholub@qualys.com