



Know your Assets: Qualys Asset Inventory and Cloud Security

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Modern IT Environments are Hybrid

Multi-Cloud
On Premise
Work Stations
Mobile Force
OT/IIoT/IoT



Challenges bestehender Lösungen



Es fehlt an zusammenhängender Sichtbarkeit in hybriden Umgebungen



Viele Lösungen für Einzelbereiche mit unvollständigen Informationen



Manueller Aufwand, ineffizient, aufwendig,
Daten veraltet

IT and Security decisions need good data, but...

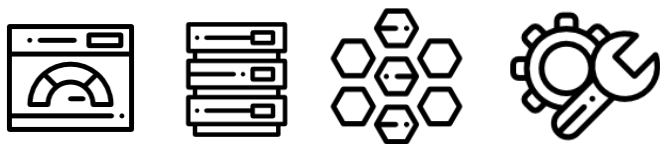
40%

of business initiatives fail due to poor data quality

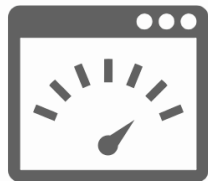
Gartner

The Nature of IT Asset Data

High Volume



High Velocity



High Variance

Acquisitions

Skype → Microsoft

Product rebranding

Communicator → Lync →
Skpe for Business → Teams

“A” means “B”

lync.exe = Skype for Business

Name variance

MSFT, Microsoft Corporation,
Microsoft, microsoft corp, ...

8 → 1

Manufacturer

20 → 1

Product

Qualys Cloud Platform

Qualys Cloud Platform

3+ billion

Device assessments per year

250 billion

Data points indexed elastic search clusters

1+ trillion

Change events per year



ORACLE



Qualys Streaming Data Backbone

Qualys Sensors

Scalable, Self-updating & Centrally Managed



Physical Scanner

Legacy data centers

Corporate infrastructure



Virtual Scanner

Private cloud infrastructure

Virtualized Infrastructure



Cloud Scanner

Commercial IaaS & PaaS clouds

Pre-certified in market place

Fully automated with API orchestration



Cloud Agent

Light weight, multi-platform

On premise, elastic cloud & endpoints

Real-time data collection



Passive*

Passively sniffs network

Real-time device discovery & profiling

Identifies protocols & application traffic



API

Public Cloud Connector

CMDB

Log

Active Directory*

Agentless + Agent Based + Passive

Sensors continuously
collect asset telemetry



Qualys Integrated Security Apps

ASSET MANAGEMENT

AI Asset Inventory

Maintain full, instant visibility of all your global IT assets

SYN 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

TP Threat Protection

Pinpoint your most critical threats and prioritize patching

CM Continuous Monitoring

Alerts you in real time about network irregularities

IOC Indication of Compromise

Continuously monitor endpoints to detect suspicious activity

CS Container Security (Beta)

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

FIM File Integrity Monitoring

Log and track file changes across global IT systems

SCA Security Configuration Assessment

Automate configuration assessment of global IT assets

CSA Cloud Security Assessment (Beta)

Get full visibility and control across all public cloud instances

SAQ Security Assessment Questionnaire

Minimize the risk of doing business with vendors and other third parties

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

Introducing Qualys Asset Inventory

Source of truth for IT and Security teams managing assets in hybrid environments.

Complete, continuous, structured and enriched asset inventory, that enables better business decisions.



Key Capabilities



Discovers all assets in global, hybrid infrastructure



Asset information is normalized and categorized



Enriched with metadata and business context



CMDB synchronized with structured asset data

	Operating Systems	Hardware	Software
Raw Data	SunOS 5.9	sun4u SPARC SUNW	Hyperion CapPlan 6_2-p



OPERATING SYSTEM DISTRIBUTION

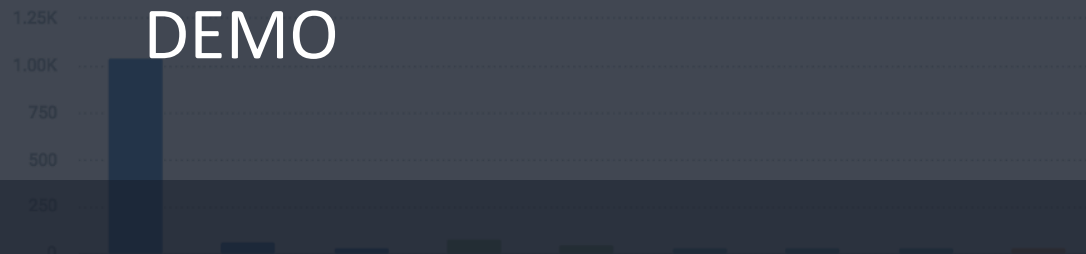
Total

1.44K [view](#)

Windows	1036
Mac	225
Linux	130
Unidentified	26
Virtualizati...	21

CATEGORY BREAKDOWN

Computers Virtualized Networking Surveillance And Detection Equipment



DEMO

Qualys sensors for complete, detailed asset telemetry

Structuring your Hardware and Software (normalization and taxonomy)

Enriching your inventory (e.g. lifecycle)

Blind spots? (showcase passive discovery)

TOP CLIENT OPERATING SYSTEM

PRODUCT	RELEASES	ASSETS
Microsoft Windows 10	1	775
Apple macOS	3	183
Microsoft Windows 7	1	101

TOP CLIENT APPLICATION CATEGORIES

Commercial License Open Source License Unknown



Qualys Cloud Inventory and Security Assessments

Unparalleled Visibility and Continuous Security Monitoring across public cloud infrastructure



Cloud Inventory



Cloud Security Assessment

Qualys Cloud Inventory and Security Assessment

Key Capability



Visibility into your public clouds

**Get topographic view of
your cloud inventory
(AWS, Azure, GCP)**



Continuous security monitoring

Monitor against security standards. Identify threats from misconfigurations (AWS, Azure)



Actionable Insight & threat prioritization

Prioritize by understanding association with exposures linked to vulnerable instances, network placement.

DEMO



Cloud Inventory Cloud Security Assessment

What is my public cloud usage?

What is my security posture?

Do I have any publicly accessible security accounts?

Are my security groups opening unauthorized access to internet?



Qualys[®]

Thank You

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