

Mastering Risk with Qualys: The Elastic Journey

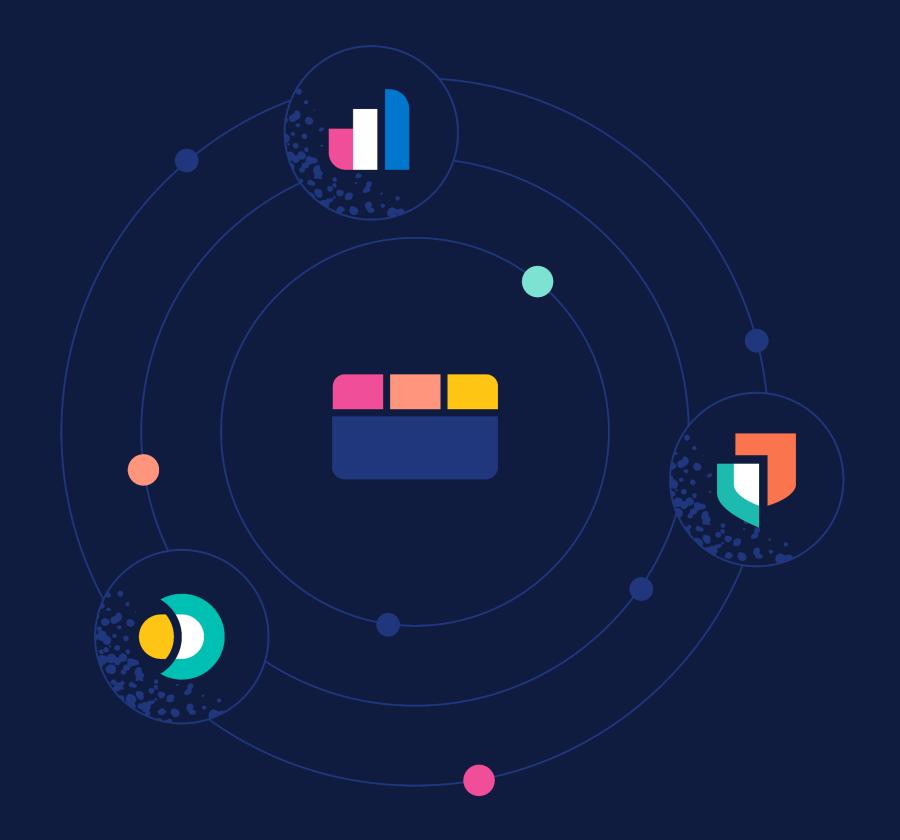
Qualys Security Conference London

Wed 27, 2024



We build search solutions on a single stack

Search
Observability
Security





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Vulnerability Management lead Elastic













Elastic InfoSec challenges

Globally distributed workforce







Cloud native implementation





InfoSec by the numbers (daily)

150TB 600GB >450K

Security data

Enables us to monitor for abnormal and security relevant activity

Endpoint data

Amount of security data ingested daily from Elastic end user endpoints

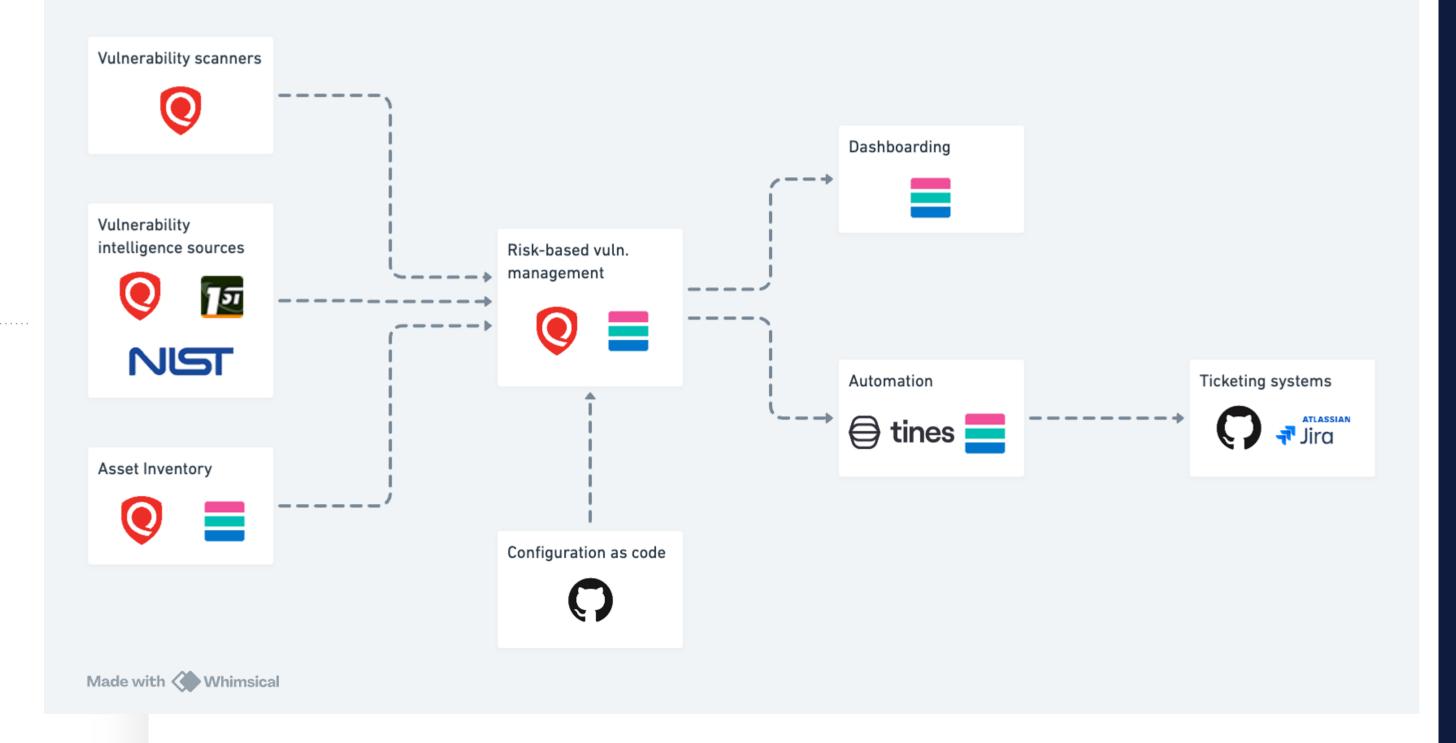
Endpoints

Globally dispersed cloud instances, virtual desktop environments, containers and user workstations



Elastic Vulnerability Management architecture

Architecture





1.2 FTE

Architecture

Automatisation

Culture

- 40K Qualys agent
- 2K Policy Compliance
- 120+ connectors (15 TotalCloud)
- 5 container scanning
- 5 web applications scanning



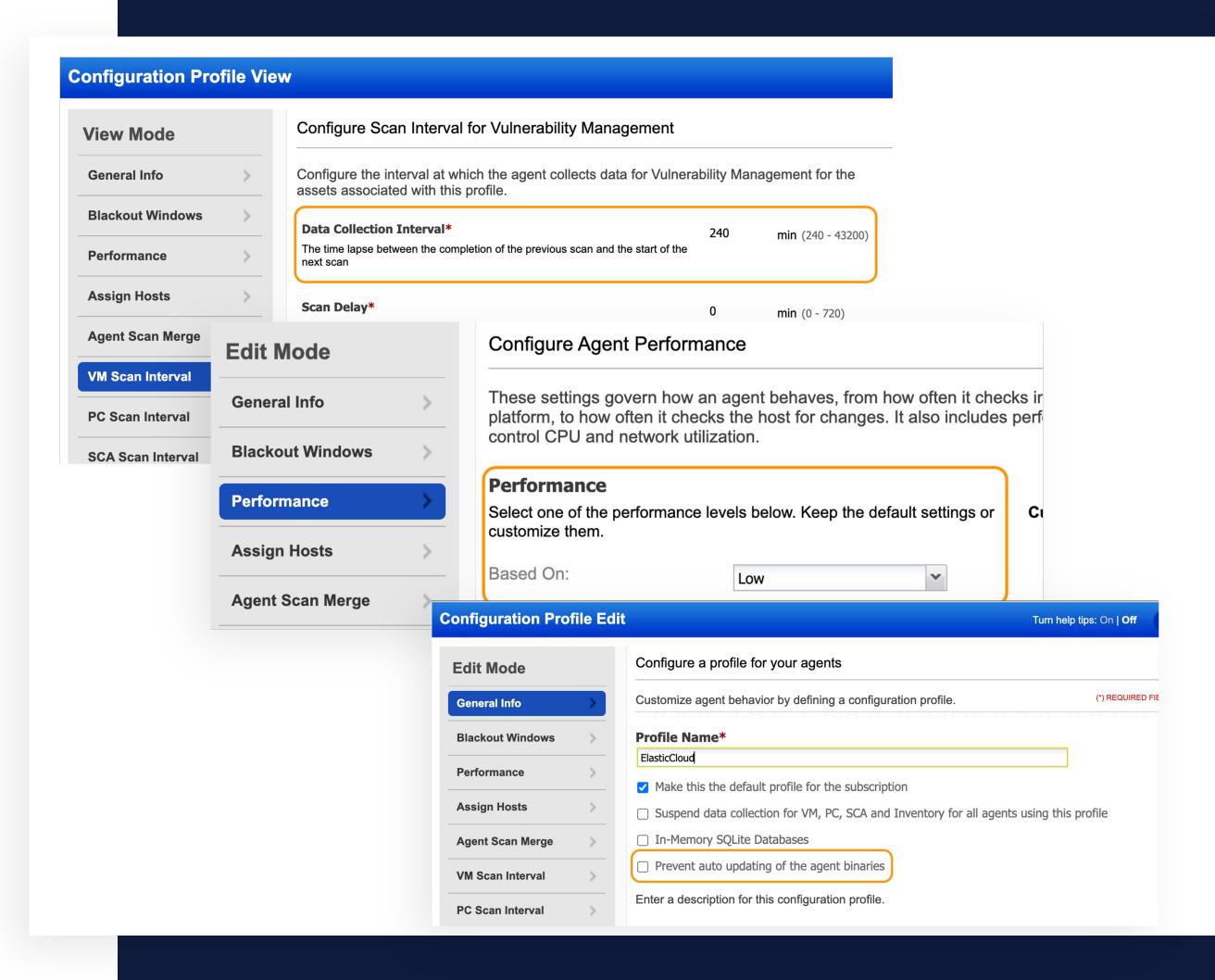
Cloud agents

Centralized management

Scan every 4 hours

No performance impact

Automatic update (agent and QIDs)









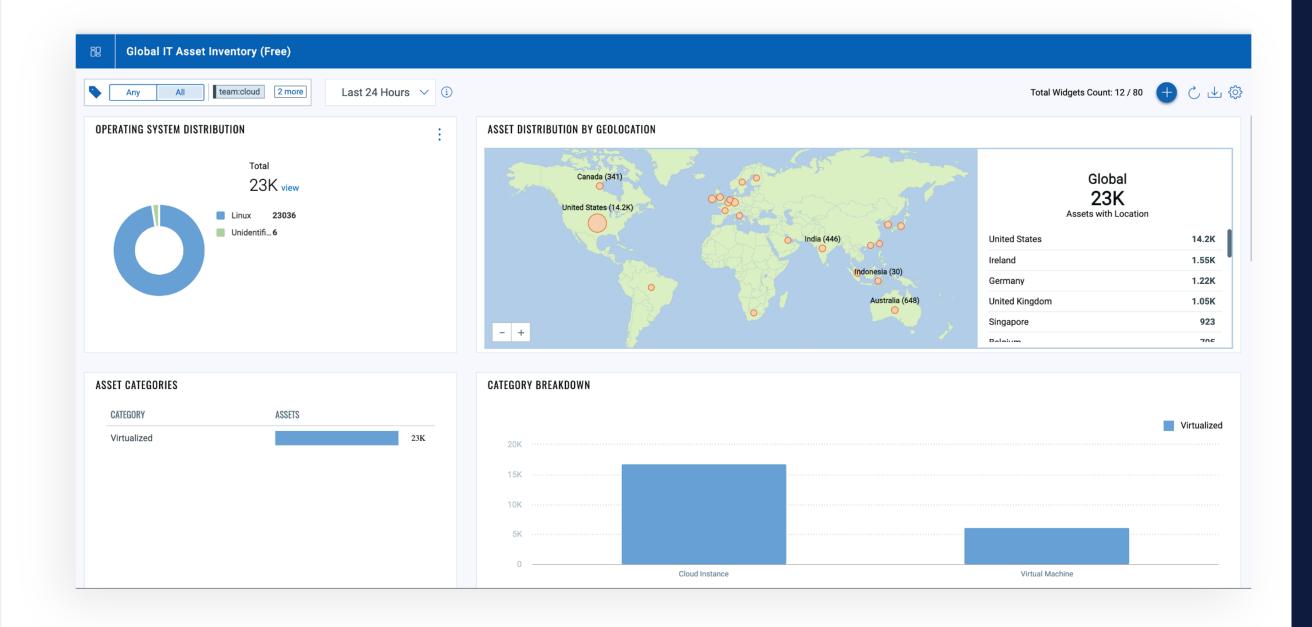
Why and how have an asset inventory?

Free*

Easy to implement

Automatic purge

Risk management





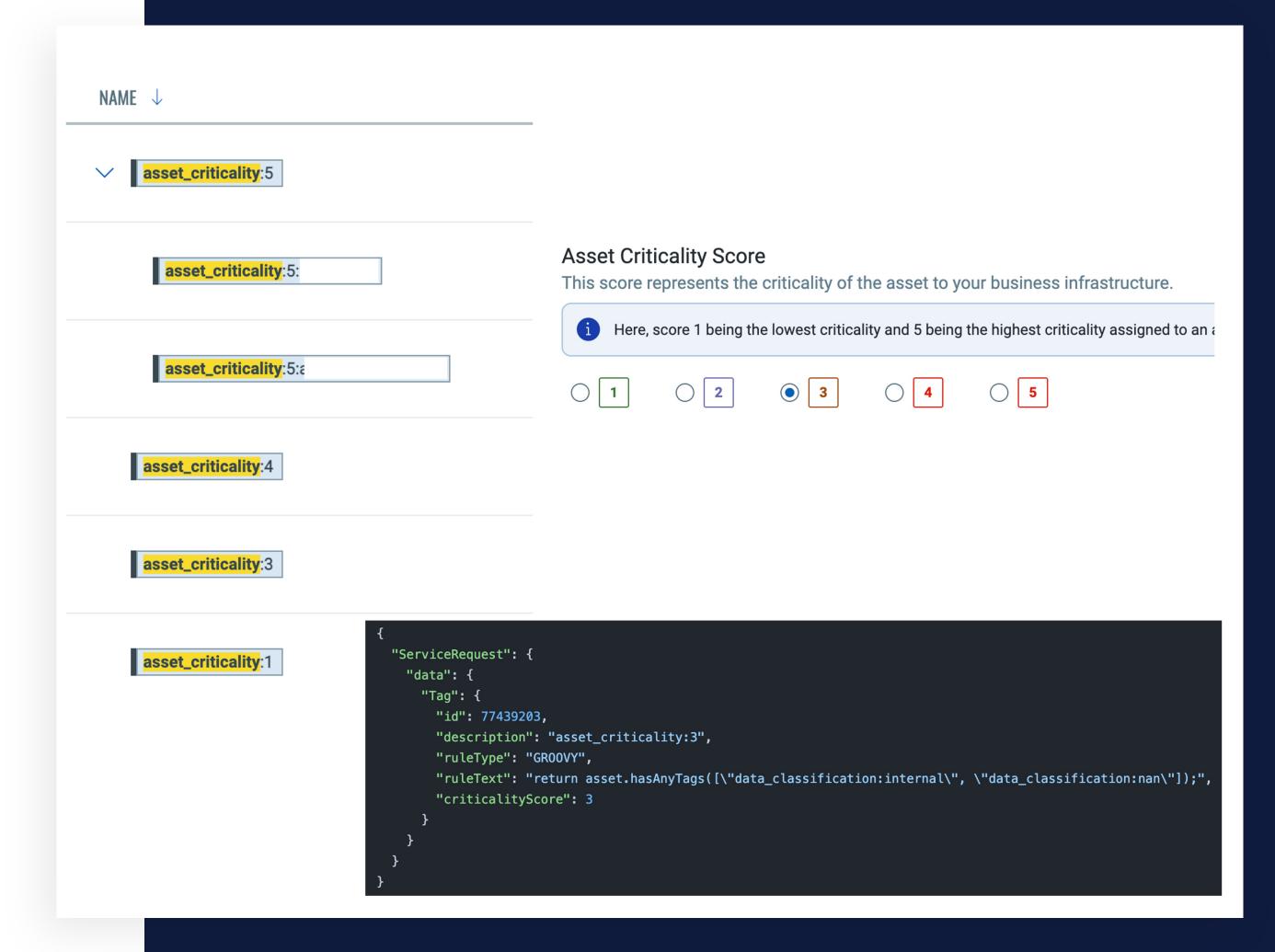
Enrichment

Parent/child relation

Access based on tags

Define criticality

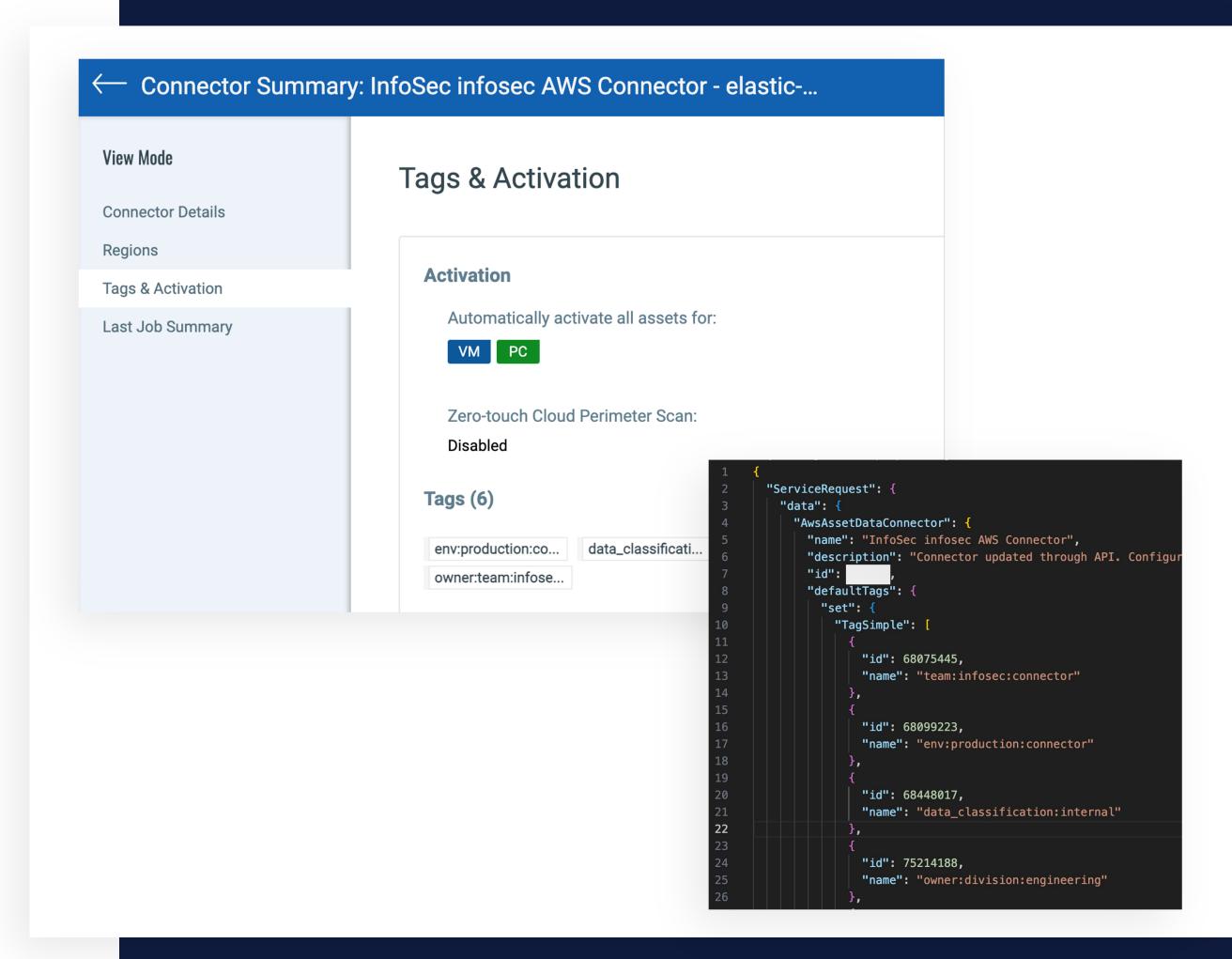
API

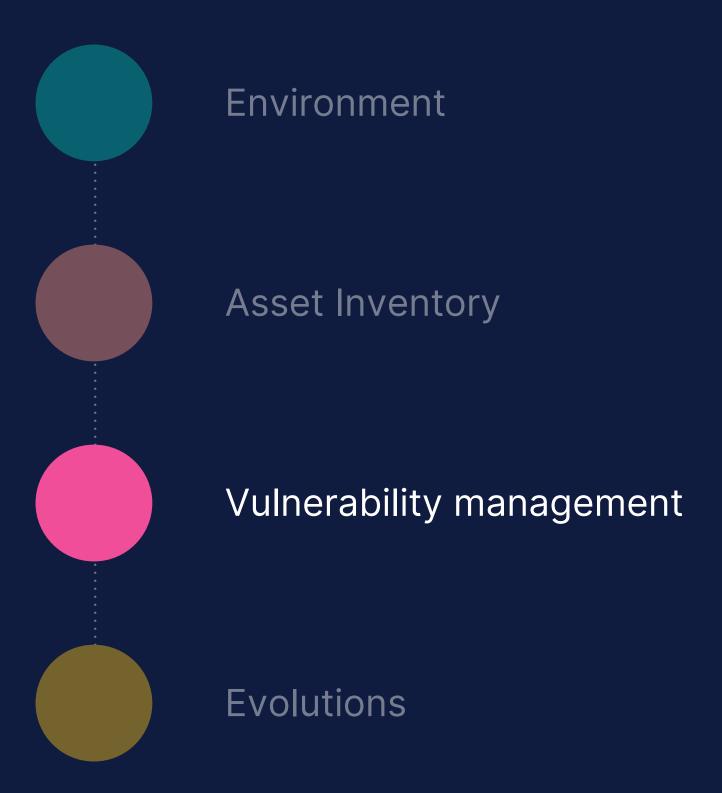




2 modes: inventory and compliance

API









Priorisation

Qualys Detection Score
Asset Risk Score

TruRisk™ Score and its Contributing Factors Light Business Criticality Asset Criticality Score 4 out of 5 Associated Threat Actors Medium Medium

NAME		CRITICALITY (1) Tri	uRisk™ Score(i) ↓		OPERATING SYSTEM	HARDWARE
i 1	57	4	650	@	Canonical Ubuntu Bionic B 18.04 LTS 18.04.6 LTS	Amazon Web Servic Amazon EC2 M5 m5.
С	53					Cloud Instance
i	52	4	650	0	Canonical Ubuntu Bionic B	Amazon Web Servic
1					18.04 LTS 18.04.6 LTS	Amazon EC2 M5 m5.
1	7					Cloud Instance
i	5-98	3	504	©	Canonical Ubuntu Jammy	Xen Project
1					22.04 LTS 22.04.2 LTS	HVM domU
С	75					Virtual Machine



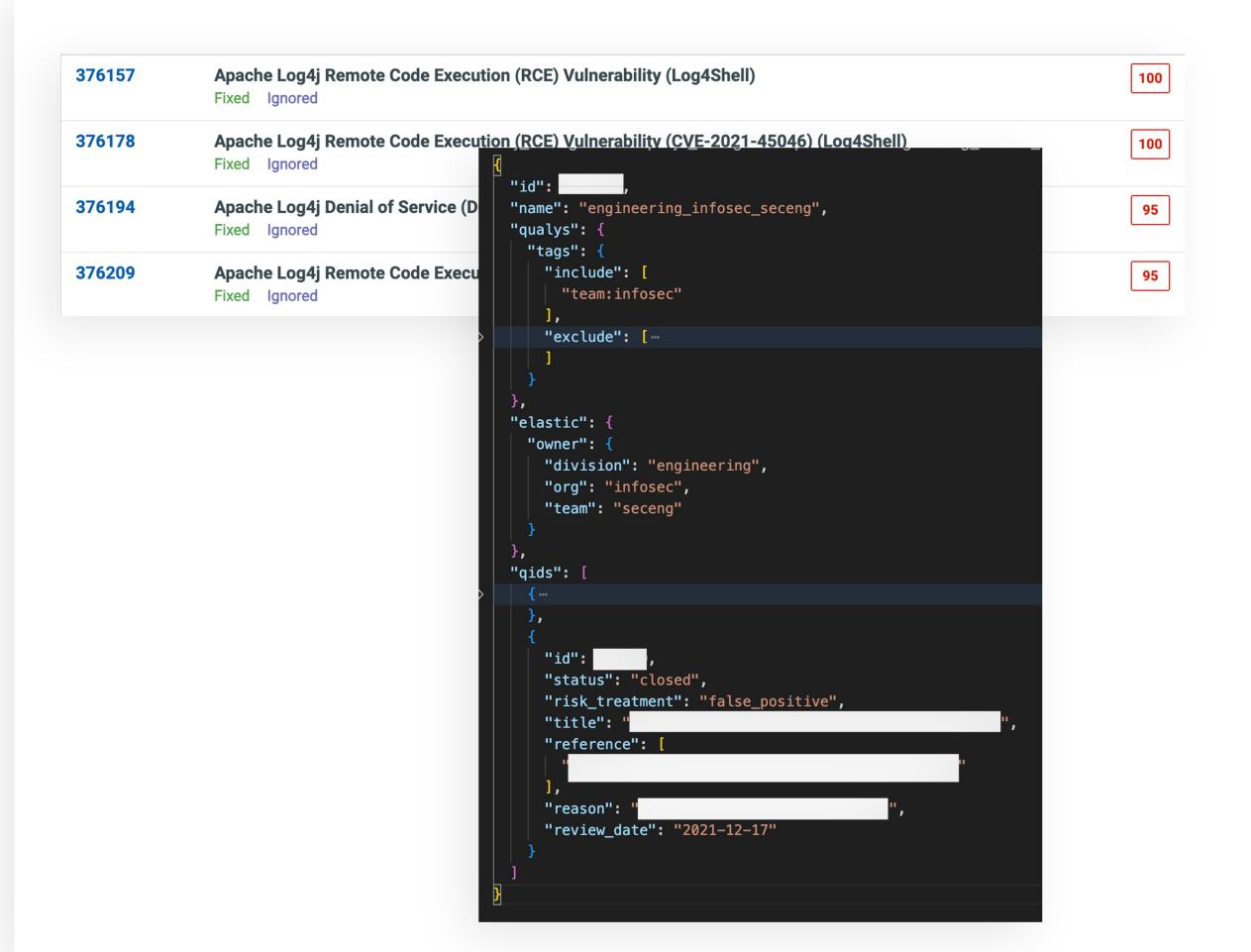
Exception Management

Search list

Remediation policies

Tickets

API









Container scanning Patch Management

Qualys. Cloud Platform HOME DASHBOARD ASSETS POLICIES EVENTS REPORTS CONFIGURATIONS Container Security V Assets Containers Registries Q Search for images... 768 31 528 53 **Total Images** Images detected without ... Images with Sev 5, 4 Vulne... Docker Hub Official Images Images not Compliant REGISTRY Actions (0) V 567 registry.redhat.io TAGS ① IMAGE TAGS (1) REGISTRY REPOSITORY CREATED ON \downarrow docker.io 72 registry.redhat.io redhat/redhat-operator-index Jun 16, 2023 rte_test v4.6 65 quay.io Image Id: 3a665de450ec registry-1.docker.... k8s.gcr.io v4.6 registry.redhat.io redhat/redhat-operator-index Jun 15, 2023 Image Id: c8061505d93e 5 more ⊗ **VULNERABILITIES** v4.6 redhat/redhat-operator-index Jun 15, 2023 registry.redhat.io Image Id: 912f40d23052 Severity 5 281 4.88K Jun 14, 2023 stable-alpine Severity 4 docker.io Image Id: 55ba84d7d539 Severity 3 22K 4.13K Severity 2 v4.6 redhat/certified-operator-index Jun 6, 2023 registry.redhat.io Severity 1 36 Image Id: 50b1bd5b162e COMPLIANCE POSTURE v4.6 registry.redhat.io redhat/certified-operator-index May 31, 2023 Image Id: 17076fbe42eb FAIL 96 v4.6 PASS 10 redhat/redhat-operator-index registry.redhat.io May 31, 2023 Image Id: cb2dbfae9ad8 v4.6 registry.redhat.io redhat/redhat-operator-index May 30, 2023 Image Id: 274df245abda redhat/redhat-operator-index v4.6 May 30, 2023 registry.redhat.io Image Id: 1029823fa2b4

Master your risk with Qualys

1

2

3

Asset Inventory

Tags Connectors **TrueRisk**

Qualys Detection Score
Asset Risk Score

Reporting

API

