

# Navigating the Threat Landscape for Your Supply Chain and Custom Apps

Unified Risk Management of Open-Source Software (OSS) and First-Party Vulnerabilities



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## **Agenda**

Software Supply Chain Risk from Open-Source Software and First Party

04 Demo

Customer Challenges

05

Customer Benefits

O3 Solution Overview

## **Supply Chain Risk from Open Source**

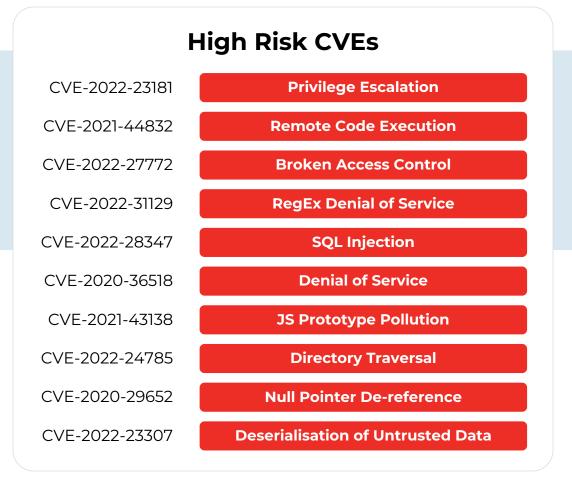
... And OSS Packages are Ubiquitous



Many organizations today run their business using proprietary or "First-Party" software built on 80% open-source components.

Security Teams manage in CI/CD but have **No Visibility in Production** 

**OSS Are Deep-Embedded** 



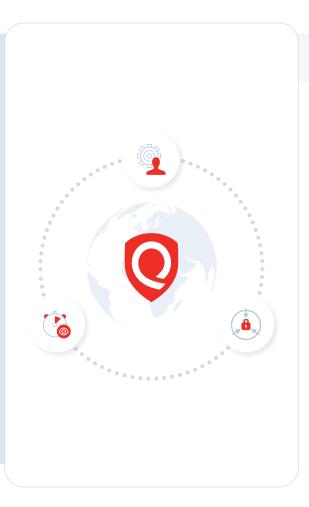
## **Vulnerabilities in Open Source**

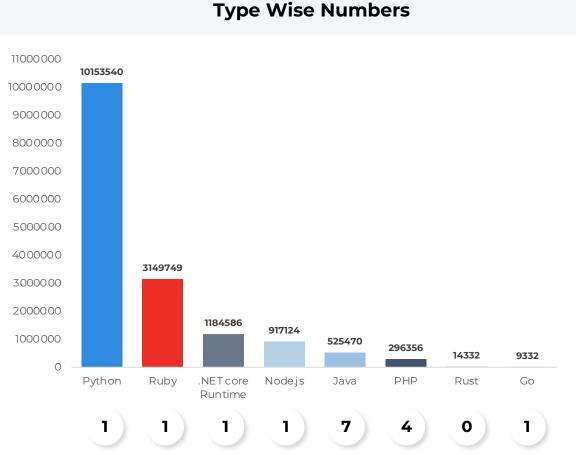
48%

Codebases have high-risk vulnerabilities

**56** 

Average Vulnerable OSS packages per asset





# **Expand to Measure First-Party Application Risk**



#### Home Grown, Custom Applications

Measure & Communicate your own custom risk in production



# Unique to Your Environment Risk

Example: Flag assets where a key service is not running, Create vulnerabilities for assets with unauthorized plugins or addons



## **Supply Chain Attacks:**

A Growing Cyber Threat



"The 2024 Verizon DBIR highlights a significant rise in breaches tied to third-party software and supply chain attacks, now accounting for 15% of all data breaches — a 68% increase from the previous year."

## **Customer Challenges**

How OSS and First-Party Create Risk

#### **Uphill Battle for Security Team to Reduce Software Supply Chain Risk**



**No lifecycle management** of vulnerabilities



OSS and First-Party vulnerabilities are not managed end-to-end from discovery to remediation like third-party vulnerabilities.



No central reporting and prioritization of risk



Organizations often **need to create one-off scripts** to detect custom risk. Reporting is not centralized, and these scripts have minimal security oversight.



**Lack of visibility** in open-source components



Organizations have **limited visibility into open-source components** (e.g., Log4j) used in first-party and third-party applications and commercial off-the-shelf tools.



**Security Silos,** Disparate & Manual Processes



Too many agents and Tools, Inefficient manual process introduce significant burden.

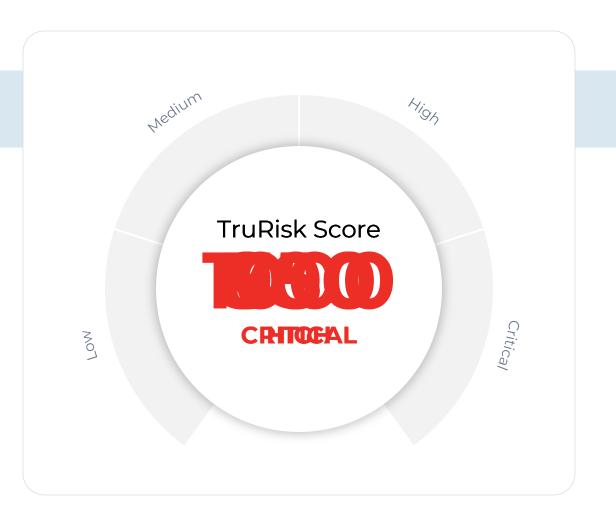
# Runtime Software Composition Analysis with the Qualys Cloud Agent



# **TruRisk...** By Correlating Security Data

#### **Contributing Factors**

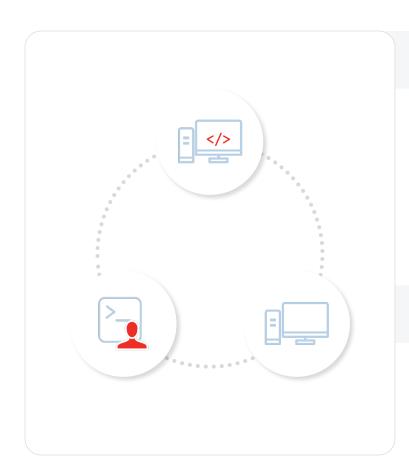
- External facing +RDP misconfig
- O Ransomware
- OSS vulnerabilities
- First Party Risks
- O Business-critical asset



## It Starts with Visibility



Get Visibility into First and Third-Party OSS Risk



#### **Enable SwCA in a Single Click**

Flexible environment specific scanning and configuration controls

Deep file system scan, Continuous evaluation and data enrichment on platform

#### Near real-time scanning for latest vulnerabilities

✓ 4-HR MTTD, <24-hour response for critical CVE's, 17K+ SCA QIDs.
</p>

# It Starts with Visibility



#### Get Visibility into First and Third-Party OSS Risk



#### **Business Context**

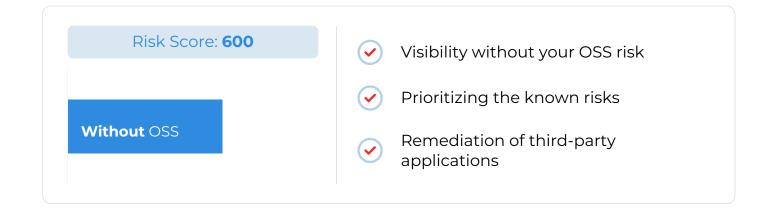
- Business Criticality
- Asset Exposure (internal vs external)

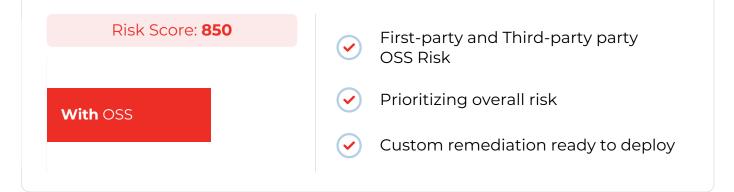
#### Without context

being applied, risk



- Evidence of Exploitation
- Likelihood of Exploitation





# Measure TruRisk, Comprehensively











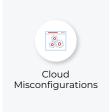


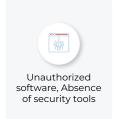






Web Application vulnerabilities









#### Qualys Detection Score (QDS):

Threat mapping: Exploitation, CISA, EPSS augmented, Ransomware, Darkweb (with VMDR)





#### **Business Asset Context:**

Criticality, Ownership, role, exposure (Enhanced with CSAM) + Compensating controls Asset Context – CMDB, AD, EASM, Asset Attribution



#### Qualys TruRisk Score:

Quantified Score, transparent formula and weightages (comes with VMDR)

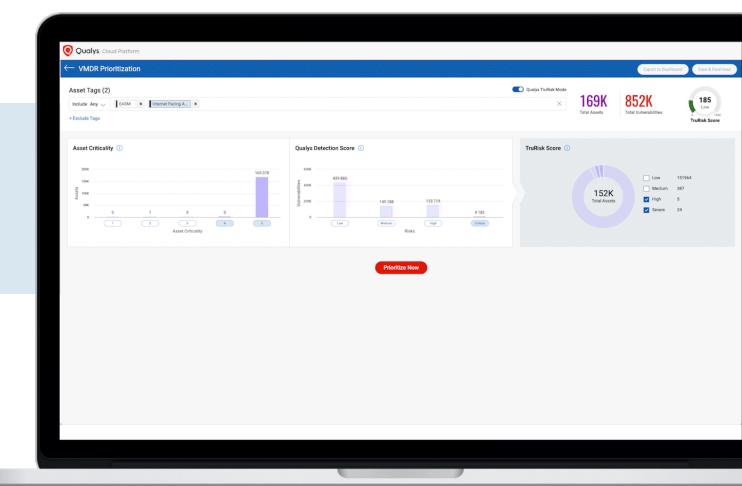




#### **Focus on What Matters**

Prioritize & Remediate Based on Business & Risk Context

Software applications, affected assets, and available assets on a single dashboard and reporting



# Eliminate Custom Risk

Create your Own Remediation Logic! (comes with CAR)













Respond to zero days before the official patch is delivered



Fix your custom risk

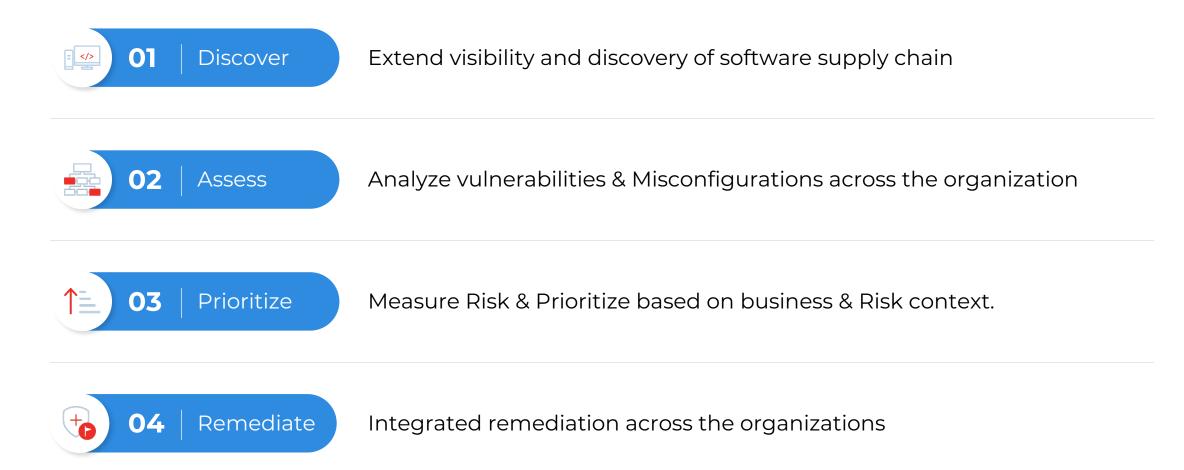


**Update Open-Source libraries** 



## **Bring it All Together**

Discover, Assess, Prioritize, Remediation + Repeat



# Product Demo



# One Place to Manage Supply Chain, 1st & 3rd Party Risk

**Customer Benefits** 



**Improved Visibility:** Extend vulnerability coverage for OSS, and First-party orchestrated within existing VMDR workflows including SBOM generation.



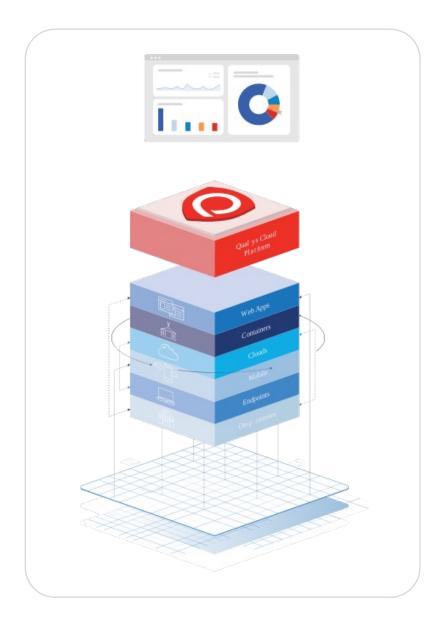
**Detect, Prioritize and remediate the risk of next Log4j and other deep-embedded open-source packages:** Proactively defend when a zero-day breaks out potentially affecting a popular library.



Reduce Mean Time to Remediation (MTTR): Respond faster (upto 60%) to first-party threats and third-party zero-day OSS threats.



Reduce Total Cost of Ownership (TCO): Reduce TCO by consolidating multiple siloed point products into Unified One-platform-one-agent.





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