
AWS
re:Invent
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SEC229-S

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Securely configure your AWS environments with CIS & Qualys

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Agenda

- About CIS
- Why secure configurations are key
- CIS Benchmarks
- Key market trends in cloud security
- Challenges in cloud security
- Cloud misconfigurations
- Cloud security posture management

About the Center for Internet Security

Creating confidence in the connected world

Independent and trusted

Proven and effective

Collaborative

Operational expertise

Sustainable

Secure configurations are key

74% of breaches include the human element

- Either via error, privilege misuse, use of stolen credentials, or social engineering

Source: 2023 Verizon DBIR

Breaches caused by cloud misconfigurations

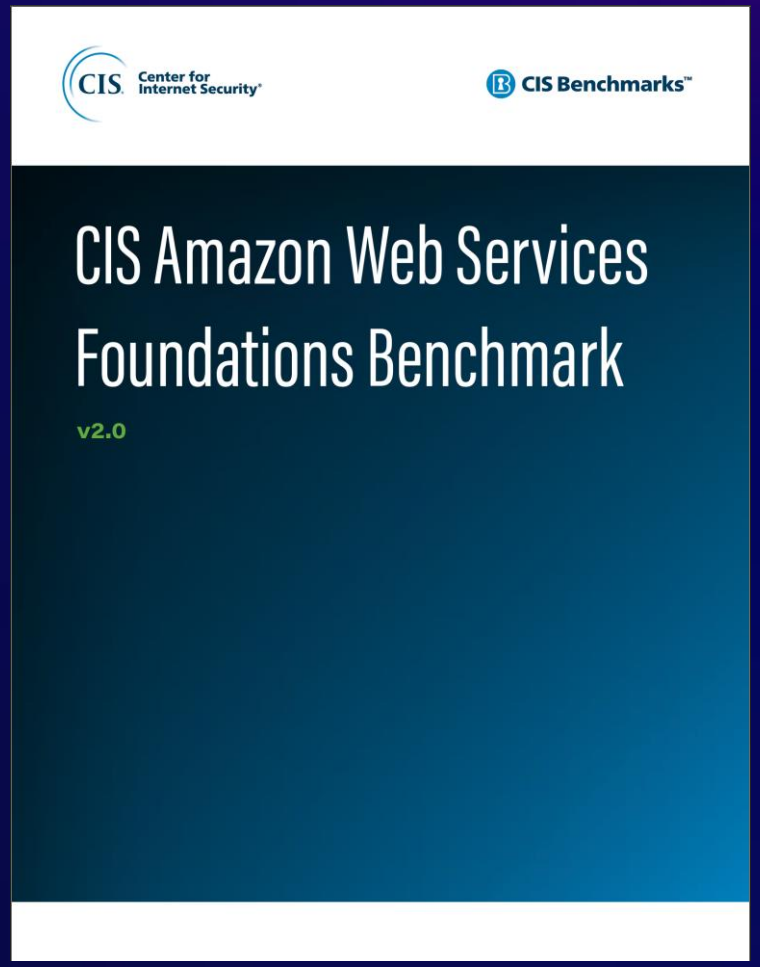
- Took 244 days to identify and contain
- Cost an average of $4.14M

Source: 2022 IBM Security Cost of a Data Breach Report

CIS Benchmarks

Consensus-developed secure configuration guidelines

- 100+ CIS Benchmarks
- Covering 25+ vendor product families
  - Operating systems, server software, cloud providers, network devices, desktop software
- Recognized by industry frameworks
  - FISMA, FedRAMP, PCI DSS
- Community developed
  - CIS members, subject matter experts, security community experts, and technology vendors
- Provide audit and remediation procedures



How are CIS Benchmarks available?

- CIS Benchmarks PDFs are available for free, noncommercial use
  - https://www.cisecurity.org/cis-benchmarks
- CIS SecureSuite Membership
  - Machine-readable formats of CIS Benchmarks
  - CIS Configuration Assessment Tool, CIS-CAT Pro
  - Multiple tiers including End User and Commercial Tier (Product Vendor)
    - **Qualys** is one of the CIS SecureSuite Product Vendor Members

Qualys TotalCloud (CNAPP)

Reducing risk through unified vulnerability, threat, and posture management, from development to runtime

What we see as key market trends

Looking ahead

Convergence of cloud security

Posture (CSPM), workload protection (CWPP), threat detection (CDR), container security (CS)
Can we extend cloud security with enterprise security function?

Board-level risk communication

Many reports but **CIO & board** need a view on **cyber risk status?**

Get more security

End-to-end security through integrated "mesh" of use cases, intelligence, and automation
How can I get integrated actionable view?

Risk-based prioritization

Too many vulnerabilities, misconfigurations, patches, and alerts
What is my real risk?

ROI-driven consolidation

Too many agents and tools, manual cost
How can I get better ROI from current investments?

Key market trends

What we see as key market trends

Looking ahead

Posture (CSPM), workload protection (CWPP), threat detection (CDR), container security (CS)
Can we extend cloud security with enterprise security function?

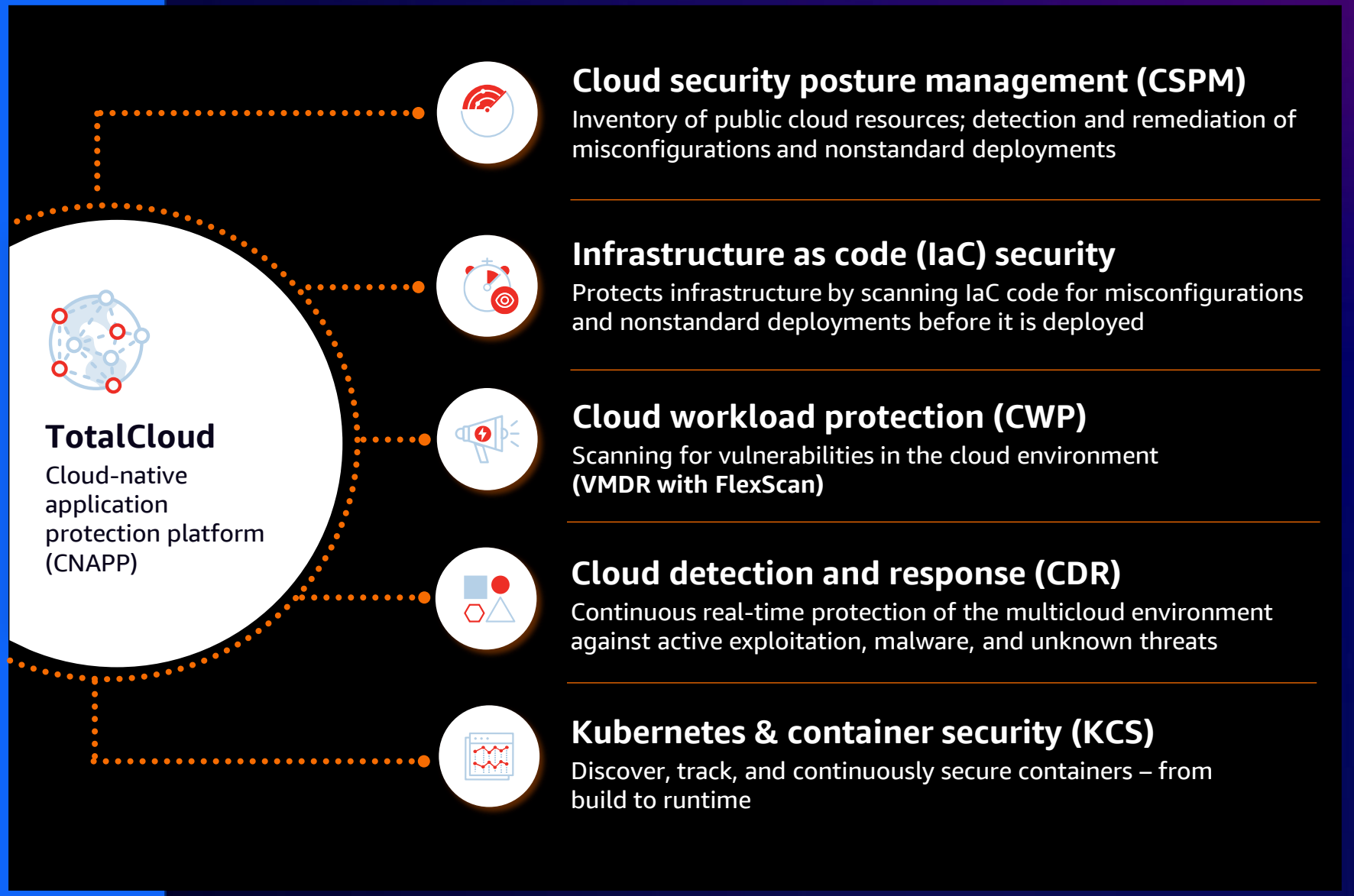
Convergence of cloud security

Key market trends

Qualys TotalCloud

A comprehensive CNAPP solution

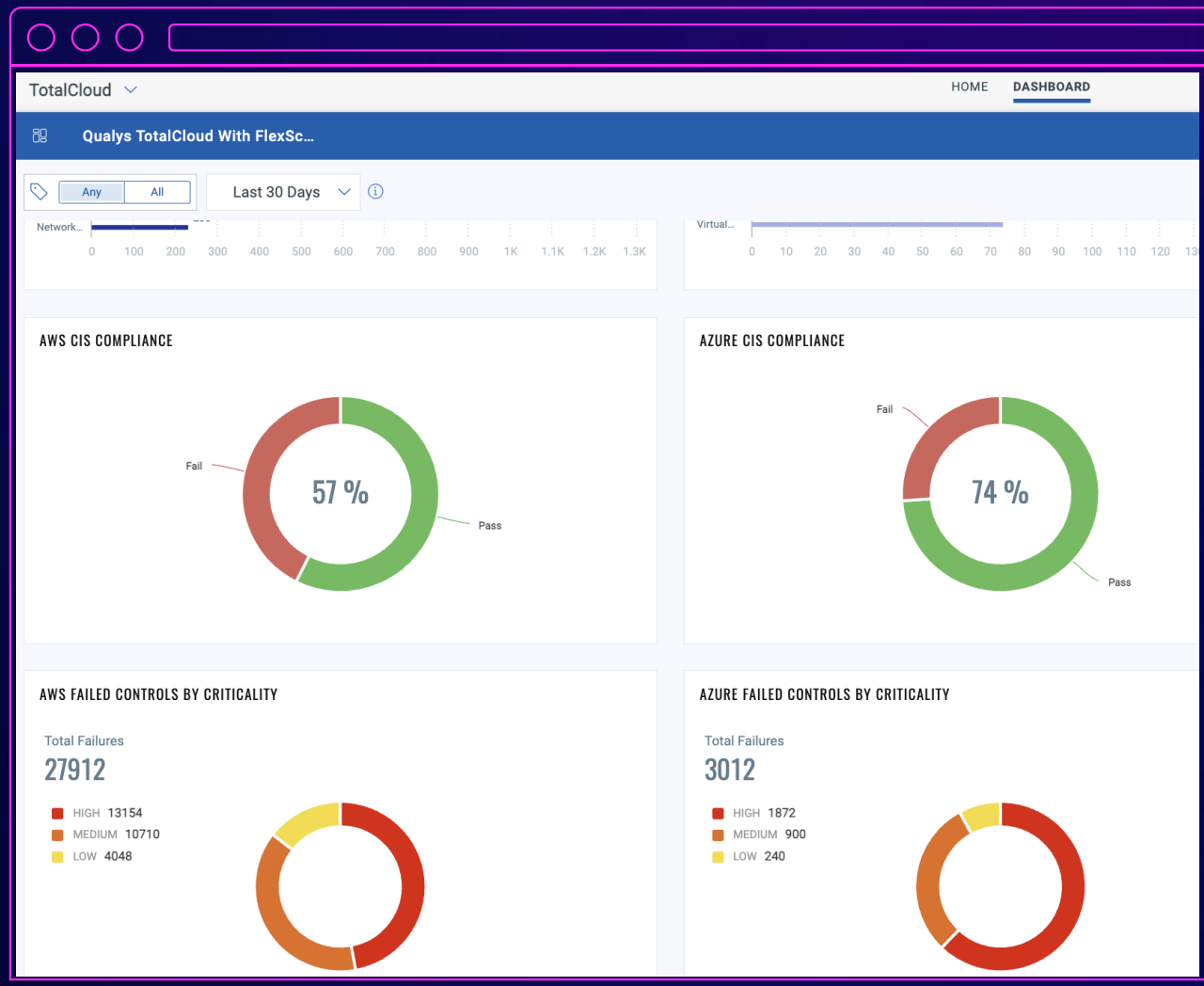
Reducing risk through unified vulnerability, threat, and posture management, from development to runtime



Cloud security posture management

Comprehensive inventory of your public cloud workloads and infrastructure

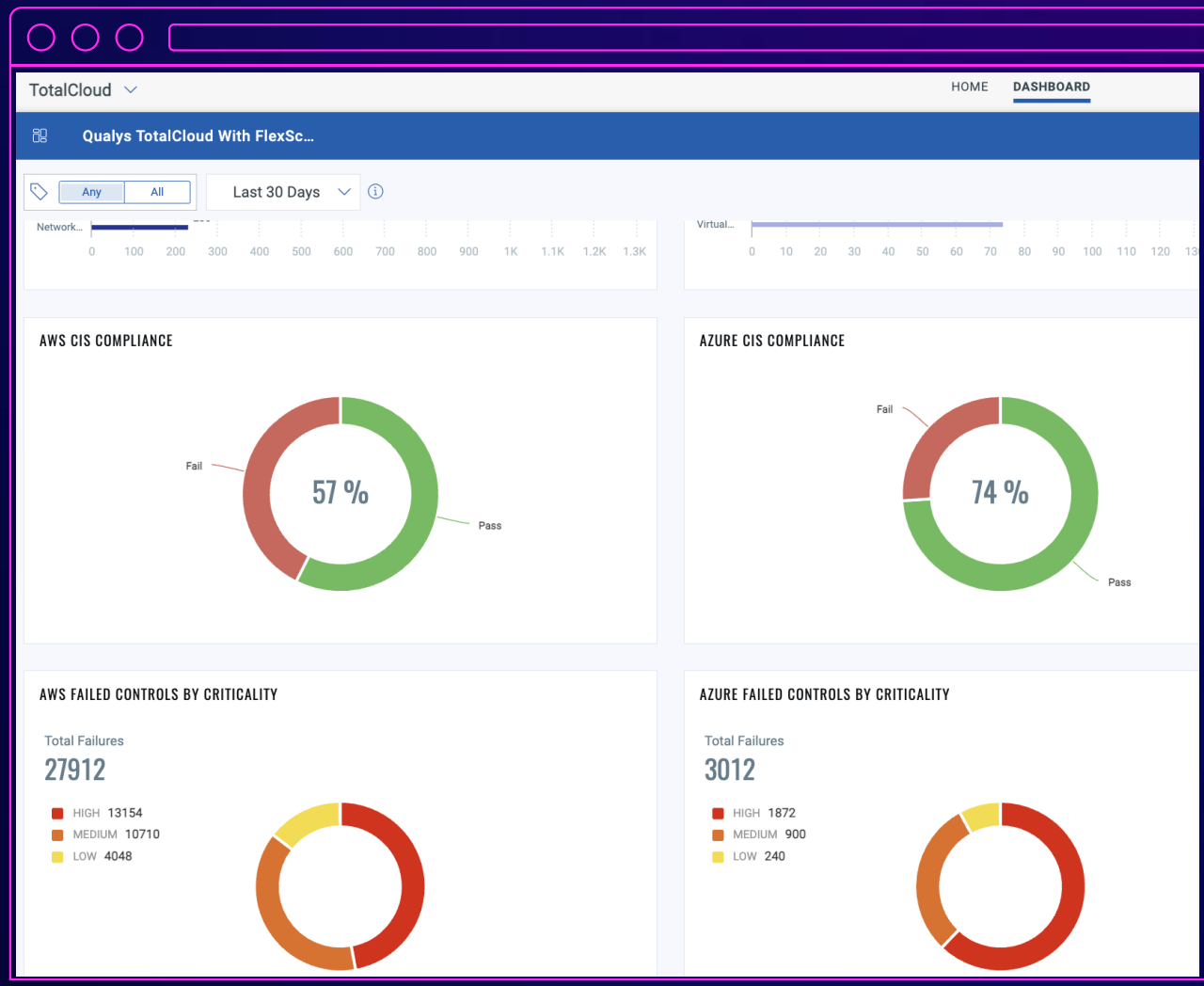
- Identify and remediate misconfiguration across 100% of your cloud assets
- 1000+ out-of-box controls, including Qualys best practices and CIS standards
- Supports 30+ compliance mandates such as PCI DSS and HIPAA and complete coverage of CIS benchmarks
- Automatically alert, ticket, or remediate misconfigurations
- One-click remediation for many high-visibility controls



CIS Benchmarks

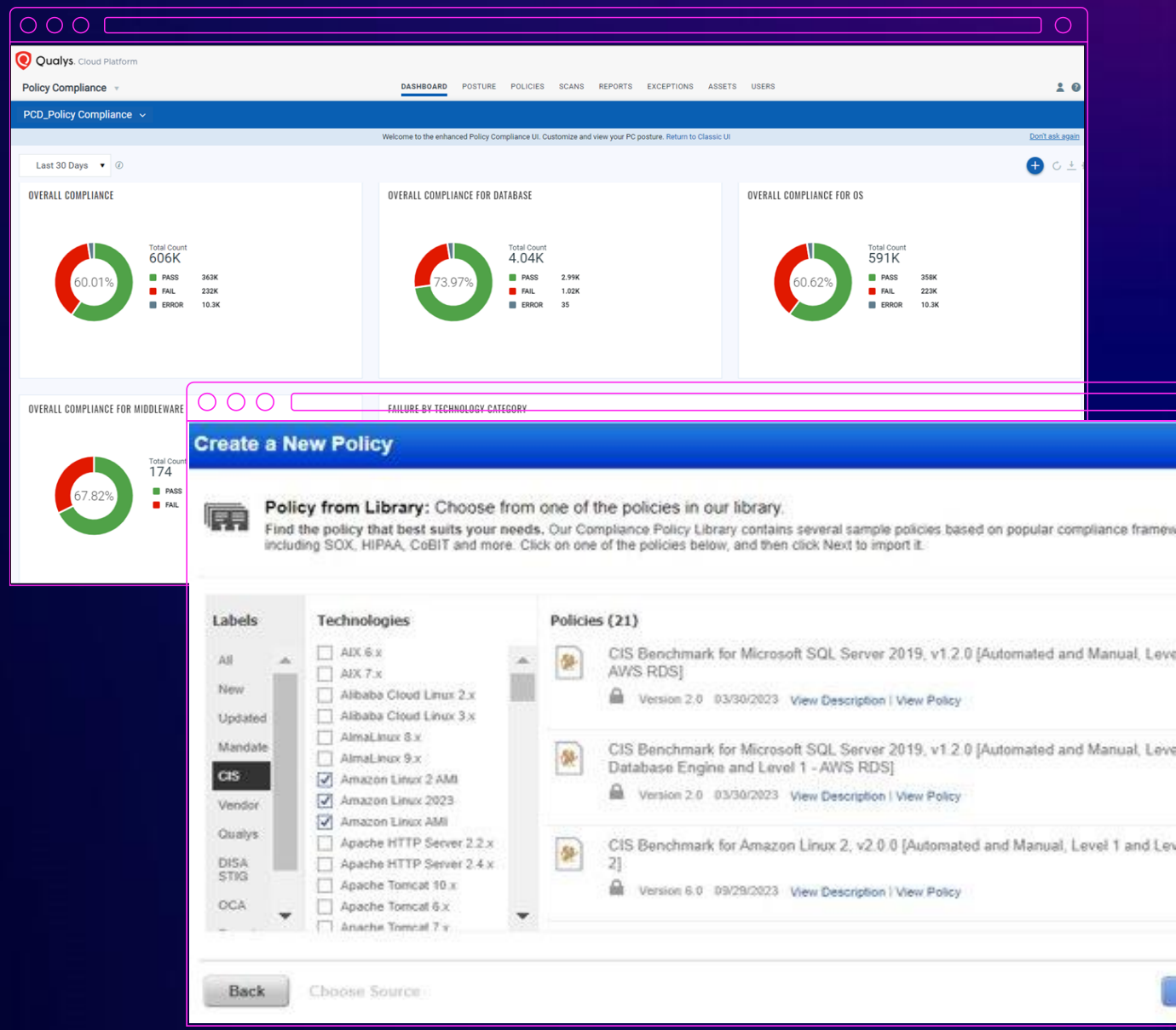
https://www.cisecurity.org/partner/qualys

- CIS Amazon Web Services Foundations Benchmark v1.5.0, Level 1
- CIS Amazon Web Services Foundations Benchmark v1.5.0, Level 2
- AWS Identity and Access Management (IAM), Amazon S3, Amazon EC2



CIS Benchmarks

- Wide coverage of CIS policies and beyond
  - Amazon Linux 2
  - Amazon Linux 2023
  - Amazon Linux AMI
  - Amazon RDS
- RDS assessment via native data collection



Thank you!

Please complete the session survey in the mobile app

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