





Extensive experience in vulnerability management across sectors



Native of South Africa, moved to Melbourne, Australia in 1988



Including transportation, energy, and education



Married with four children



Strong foundation in IT

## **Overview of Transurban**



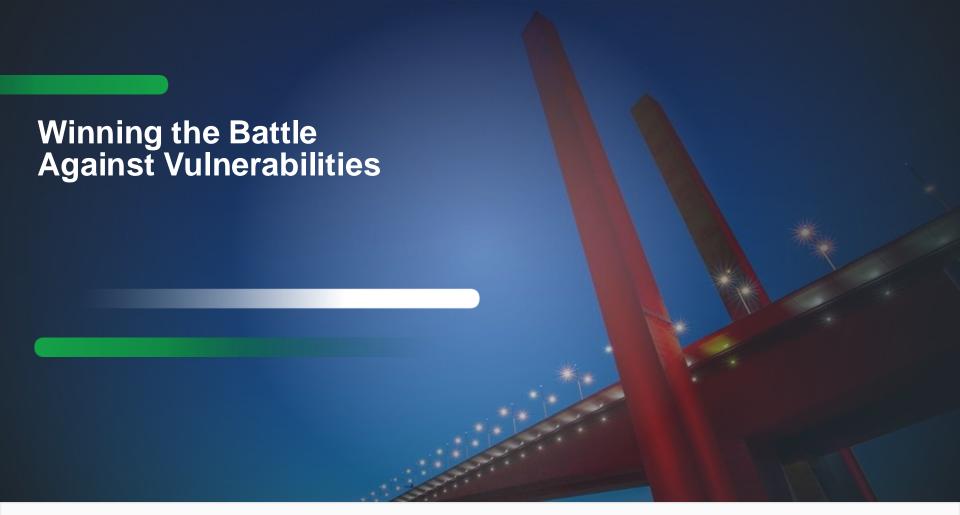














### **Qualys Detection Score**



**CVSS Base Score** 



Malware



CISA Known Exploited Vulnerability (KEV)



Trending Risk



Real-Time Threat Indicators (RTIs)



**Threat Actors** 



Exploit Code Maturity

## Winning the Battle Against Vulnerabilities



## Enhanced ratings prioritize actively exploitable vulnerabilities first

Lowering Transurban's cyber security risk

Reducing the risk of exposure or loss from a data breach

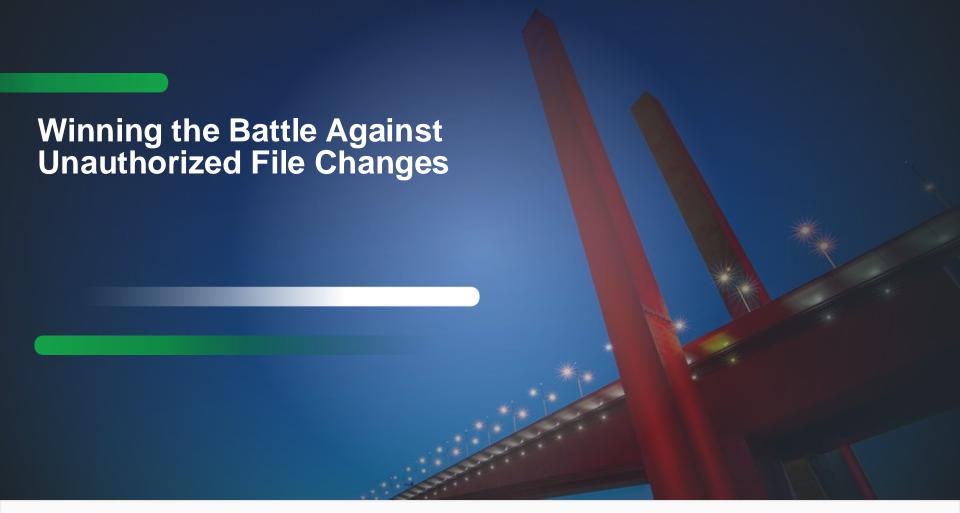


#### **VMDR Outcomes**

High/Critical decrease from 66% to 23%

Medium decrease from 27% to 17%

Low increase from 6% to 59%



#### **About PCI**

# Organizations that handle credit card transactions,

like **Transurban**, are required to comply with the Payment Card Industry (PCI Security Standards Council) Standards.

#### **PCI DSS 4.0**

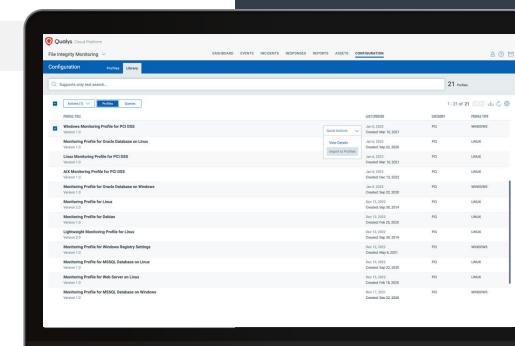
Requires organizations to detect and respond to unauthorized changes in critical system files, configuration files, or content files, which is crucial for maintaining the security of cardholder data.



# Eliminate Compliance Risk: Complete Coverage for PCI DSS 4.0 FIM

#### Requirements

- **10.2.1** Audit logs are enabled and active for all system components and cardholder data.
- 10.2.2 Audit logs record the comprehensive details for each auditable event.
- 10.3.4 FIM to ensure that existing log data cannot be changed without generating alerts.
  - **10.4.1.1 New Requirement:** Automated mechanisms are used to perform audit log reviews.
  - **10.7.2 New Requirement:** Failures of critical security control systems, such as change-detection mechanisms, are detected, alerted, and addressed promptly.

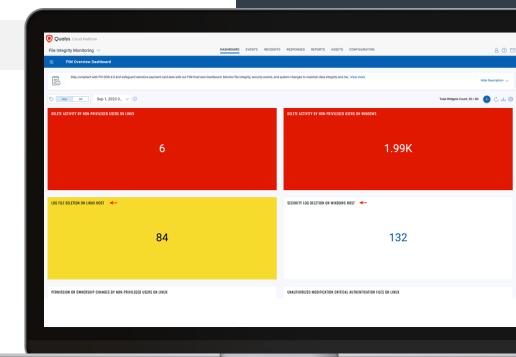




## Eliminate Compliance Risk: Complete Coverage for PCI DSS 4.0 FIM

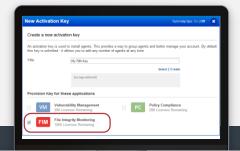
#### Requirements

- **7.2.4** Ensure user accounts and access remain appropriate based on job function.
- **10.5.1** Data retention for **at least 12 months**, with at least the most recent three months immediately available for analysis.
- 11.5.2 A change-detection mechanism (FIM) is deployed.
  - **12.10.5** The security incident response plan includes monitoring and responding to alerts from Change-detection mechanisms for critical files.
  - **A3.5.1** A methodology is implemented to promptly identify attack patterns and undesirable behavior across systems.

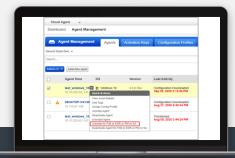


## **Qualys FIM Implementation at Transurban**

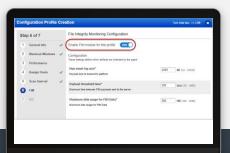
Install Cloud Agents & Activate File Integrity Monitoring



Enable the FIM Module on a Host with the Qualys Agent Already Installed



Activate FIM in a CA Configuration Profile



#### Transurban Implementation: Agent -> Splunk -> ServiceNow Incident

01

Agent deployed (02)

FIM enabled for agent

(03)

Profiles applied

-(04)

Events
Correlated
to Incidents

(05)

Integration with Splunk

-(06)

Splunk Phantom creates incident in ServiceTU

(07

Cyber Defence respond to incident

7)------(08)

Dashboards for reporting



## Winning the War Against Unauthorized File Changes

#### The Case for Qualys File Integrity Monitoring (FIM)





Simplified PCI DSS Compliance and readiness for PCI DSS 4.0



Administrative overhead reduction



FIM is available with Qualys agent, along with VM, PC, Patch, EDR



Effective noise cancellation and native integration with SIEM



Operational cost reduction



Vendor rationalization and consolidation



Fast and easy to deploy: One-click activation.

## **File Integrity Monitoring**

#### Ready for PCI DSS 4.0



Comprehensive FIM Solution: Agent-based and agentless deployment options. Coverage for Servers, Endpoints, Network devices, Containers and more.



File Access Monitoring (FAM): Empowers SOC teams with real-time alerts for access to sensitive data, ensuring proactive threat response



Save Analyst Time: Ready-to-use, fine-tuned profiles for compliance frameworks, streamlining setup



Reduce Compliance Risk: Comply with regulatory compliance frameworks such as PCI DSS 4.0, HIPAA 2023, NERC CIP, GDPR, CCPA and NIST CSF 2.0, NIS2



Stay Audit Ready: Built-in automated Incident Management and Compliance Reporting



Minimized Alert Fatique with Noise Cancelling FIM:

Eliminate 90%+ of noise for trusted users and processes. Built in Threat Intelligence to detect malicious or suspicious hashes

