



# To Patch or Not to Patch: Achieving Immediate Risk Reduction with Qualys

# Agenda

**01**    **The Goal:** 5 Steps to Improve Risk Reduction

**02**    **Patch and Mitigation:** Best Practices and Demo

**03**    **Roadmap**



A vulnerability management process shouldn't exist in isolation. It is a cross-cutting effort and involves not just those working in IT operations, but also security and risk teams.

**More Open Vulnerabilities**  
**More Patches to Deploy**  
Higher Chance of an Outage

# 78M

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Patches Deployed  
Since Jan 2024

# 24 Days

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Faster remediation  
of CISA KEV Vulns

# 160M

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CISA KEV Vulns  
Remediation with  
Qualys Patch



TruRisk Eliminate

# **Expanding Remediation Beyond Patching**



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## TruRisk Eliminate

Patch + TruRisk Mitigate + TruRisk Isolate

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**Eliminate it, don't just measure it.**



# TruRisk Mitigate

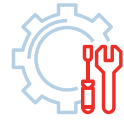
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# Fix Vulns That **DO NOT** Have a Patch

## Map QIDs to Remediation Actions



Qualys prepares and tests the relevant configuration change or uninstall command to fix EOL vulnerable software



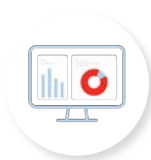
Customer can test and deploy the remediation actions to the vulnerable assets only using the Qualys agent



Vulnerabilities will be marked as closed in VMDR reports

# Address Vulnerabilities That Cannot Be Patched Due to High Risk for an Outage

## Map QIDs to Alternative Mitigations



Qualys Threat Research prepares and validates mitigation options for critical vulns



Mitigation techniques examples: block ports, stop services, conf changes, Etc.



Most mitigations can be easily rolled back compared to rolling-back a patch



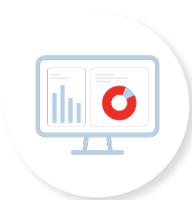
Customer can test and deploy those mitigations instead of deploying the patch



Mitigated status and risk reduction are reflected in all VMDR reports

# Address Zero-day Vulns Until a Patch Is Available

## Mitigation to Address a Zero-day



Qualys Threat Research prepares and validates a mitigation option



Customer can test and deploy the mitigation ASAP



Mitigated status and risk reduction are reflected in all VMDR reports

# TruRisk Isolate

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# Device Isolation

## As a Last Resort



Isolate the device from the network

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Allow remote patching and control from Qualys and other allowed resources

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Agent technology – no EDR technology required



# Fully Integrated with VMDR

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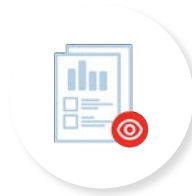
# Fully Integrated

## Familiar Workflows



Workflows for VMDR, patching, conf changes and mitigation are fully integrated providing same user experience

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All results are reflected in VMDR reports





# FREE Five Steps Dashboard

## Free to Download Dashboard



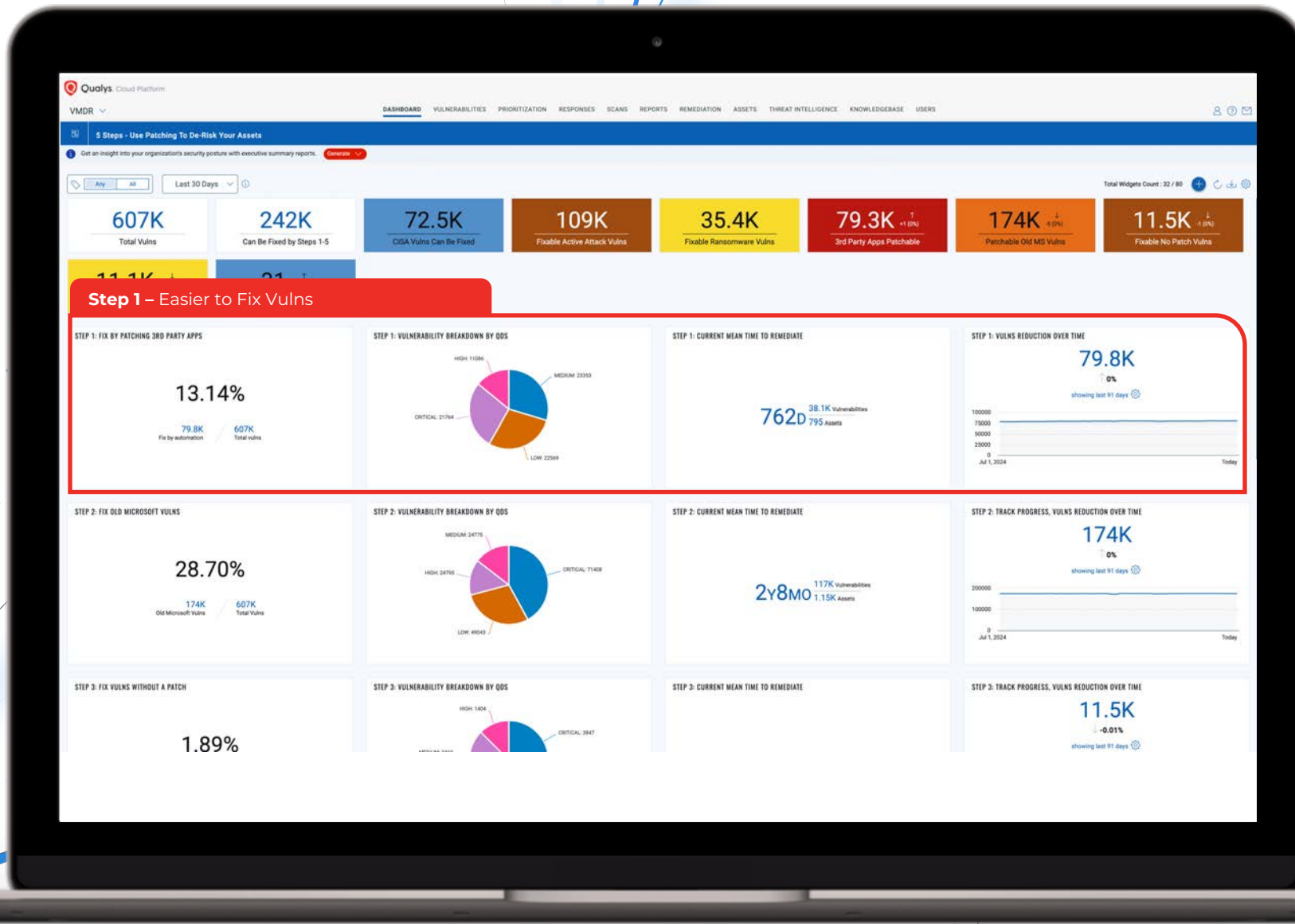
Standard VMDR Dashboard

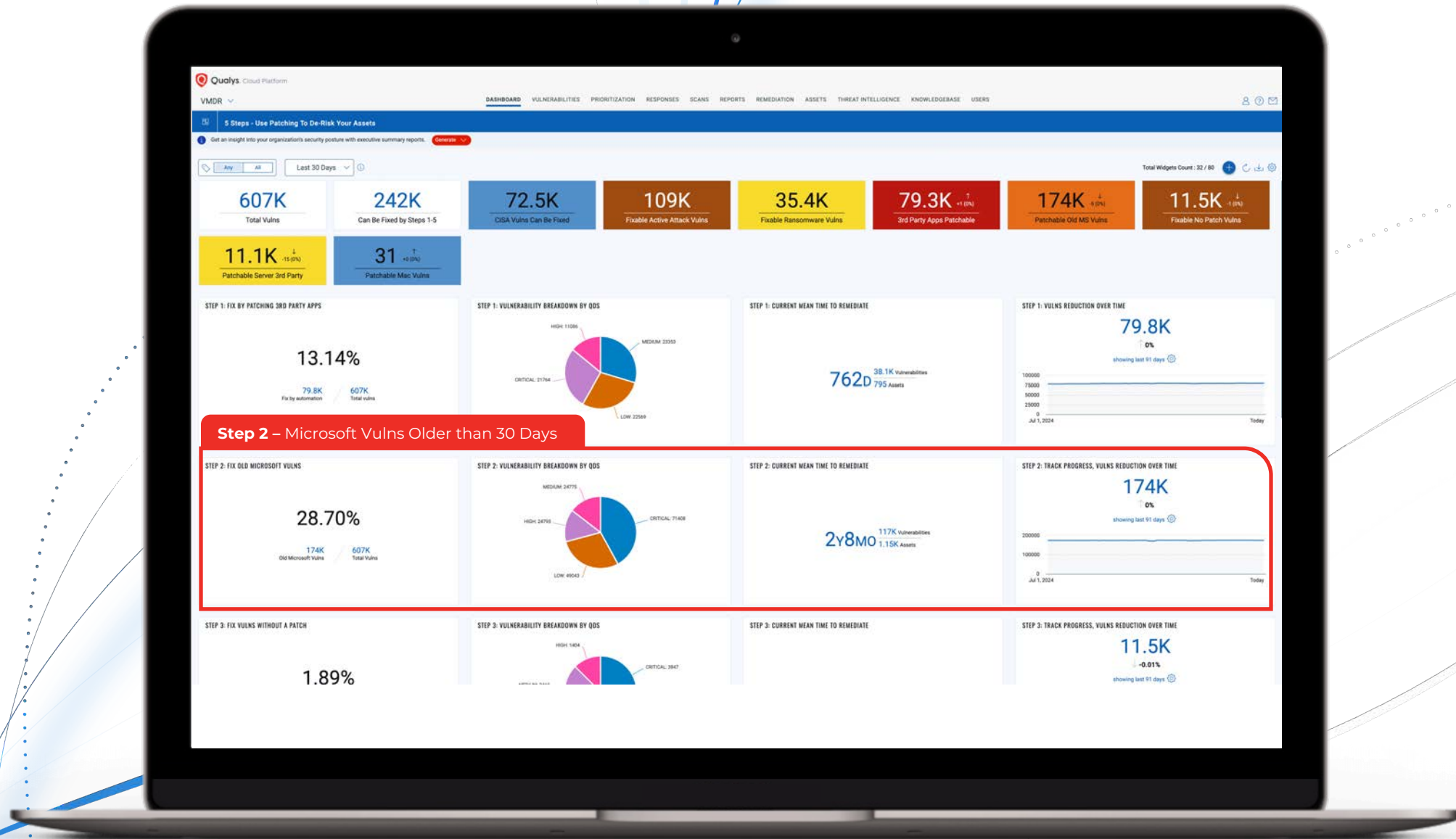


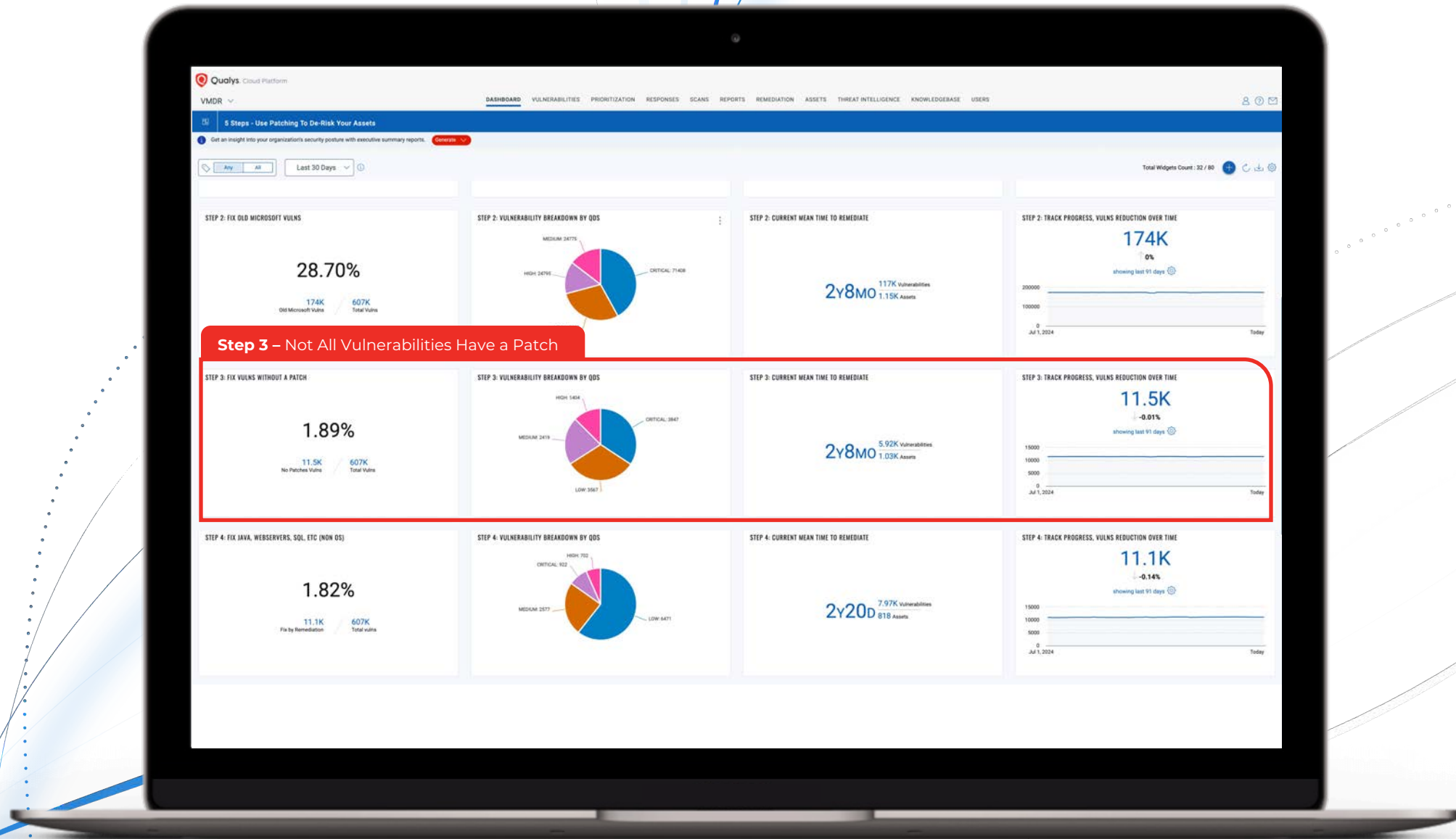
Only requires VM data  
(no patch or eliminate license is required)

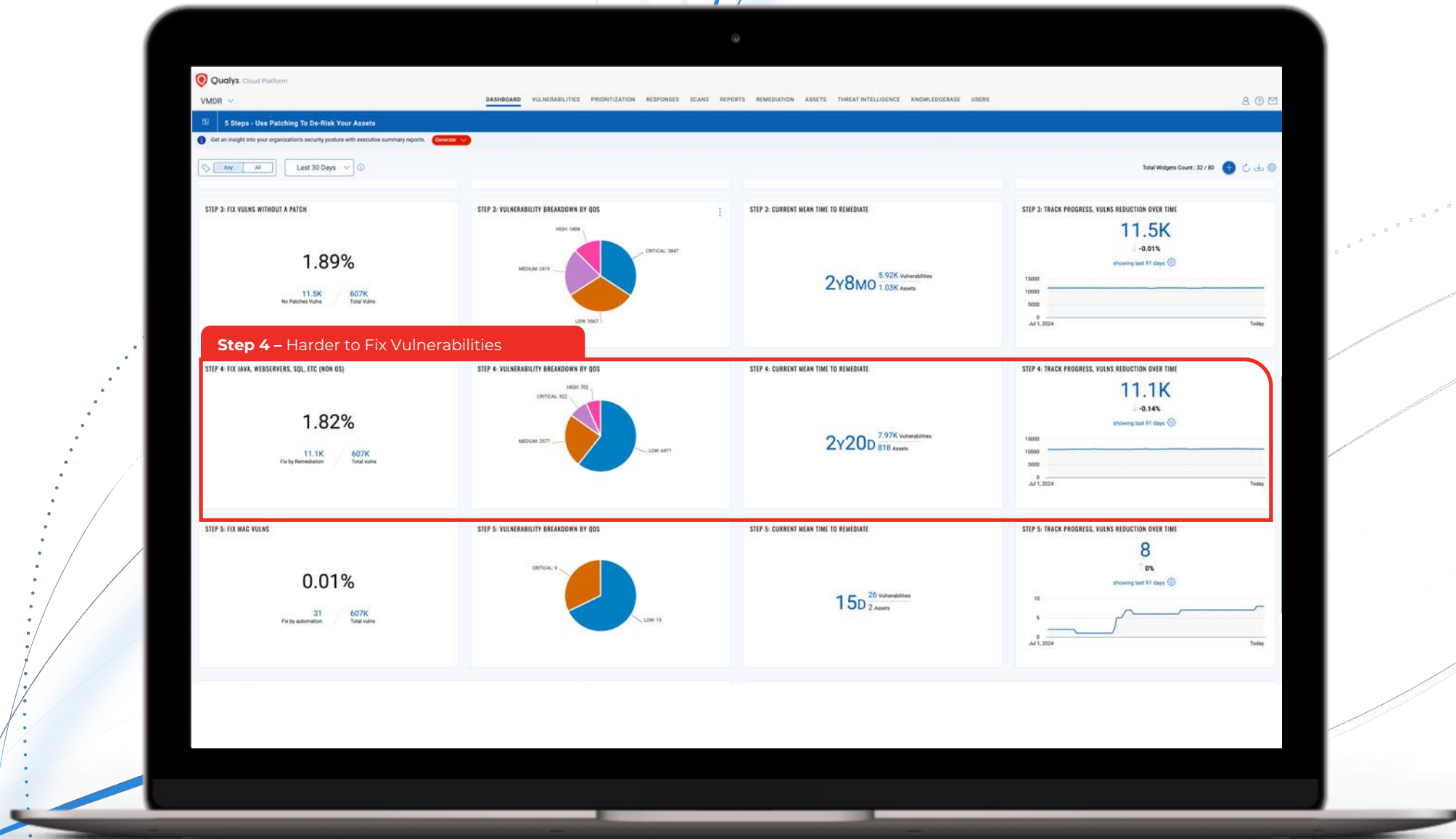


Help address vulnerabilities efferently

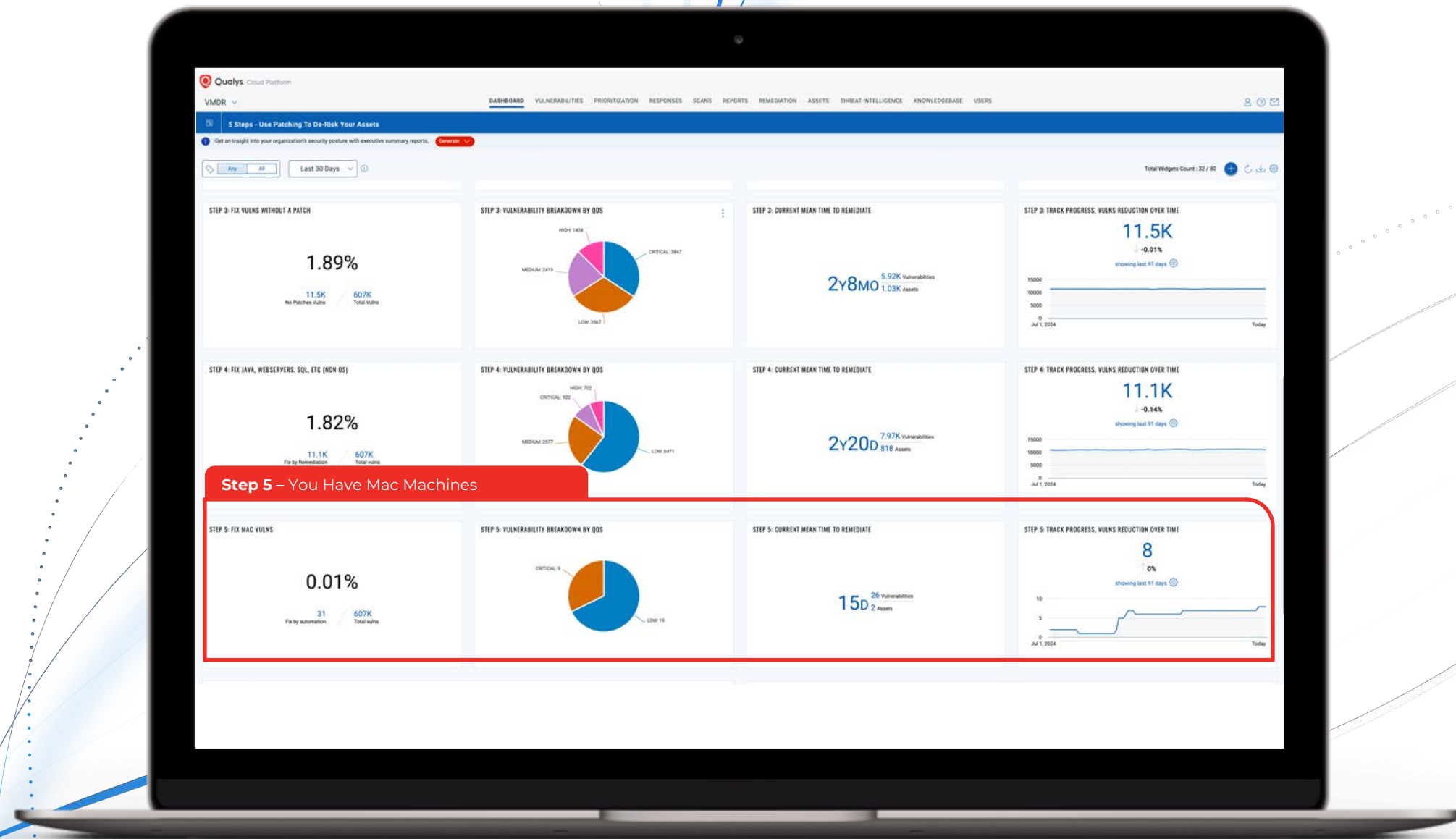












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# 5 Steps Dashboard **DEMO**

with TruRisk Eliminate



# Roadmap



# Roadmap: 2025

## Mitigate + Isolate

Continue investment

## SCCM/Intunes Integration

IT can use SCCM to deploy jobs

## Virtual Patch

In memory containers protection

## Integrations

ServiceNow and others

# Roadmap:

## Q4 2024, Q1 2025

### Patch + Configuration Mapping

Map QIDs to patch + conf changes require to fix a vuln

### New Reporting

Patch and asset-based reports to track successes and failures

### Re-run Jobs

Edit and re-run jobs, specifically on-demand

### Linked Jobs Progress Based on Success

Automatically start a linked job based on the success of the test job

# Roadmap:

## Q4 2024, Q1 2025

### Pause/Cancel Job Pre-Actions

Use pre-action script to pause or cancel a patch job (before patching starts)

### On-Demand Job Start Agent API

Start a job by notifying the agent over API – use for new images

### On-Demand Job Start End User

Allow end user to choose when to start a patch job

### Rollback For Linux Jobs

Rollback patch Linux jobs

# Roadmap:

## Q4 2024, Q1 2025 (Others)



### Other Important Improvements

- Support for Ubuntu 18, 20 and 22 ESM and RHEL 8.2, 8.4, 9.0 and 9.2
- Ability to patch ARM architecture-based Linux systems
- Log and audit all Patch Management admin actions
- Add support for Windows Server 2012 which is in ESU



# Conclusion





# Eliminate It, Don't Just Measure It.

## TruRisk **Eliminate**

Address All Types of Vulnerabilities

### TruRisk Patch

- Test and deploy patches to fix vulns
- Fully automate patch deployment based on risk
- Windows, Mac, Linux OS and 3rd party app support



### TruRisk Mitigate

- Remediate vulns that don't have a patch
- Mitigate vulns that cannot be patched due to operational risk
- Address Zero Day vulns before the patch is available



### TruRisk Isolate

- Isolate device to ensure vulns cannot be exploited
- Allow exceptions to ensure device can be patched and managed

# Q&A

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