

Enhancing Cyber Resilience with Patchless Patching

Agenda

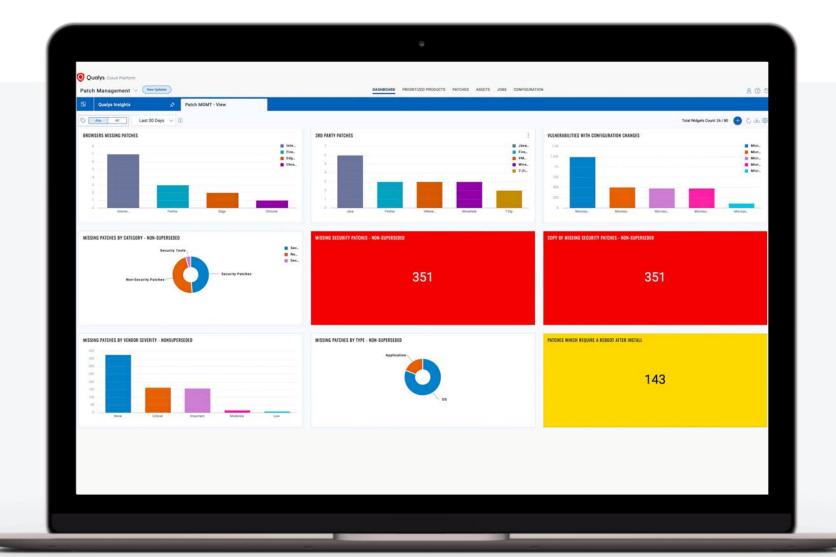
The Goal: Address more vulns, Faster

Addressing vulns by patching: While respecting Security – IT boundaries

Success Story: GE Vernova

Addressing vulns without a patch: Not all vulns can be patched

How Can We Be More Efficient?





"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."



The Fear of Downtime

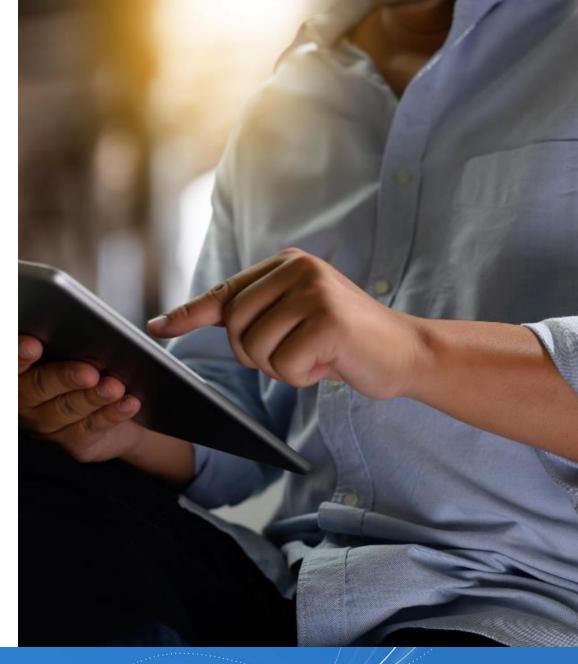


More Open Vulnerabilities More Patches to Deploy Higher Chance of an Outage



Prioritize:

Focus on the vulnerabilities that count



Use the Right Prioritization Method

Cut 52% to <10% with TruRisk™

CVSS

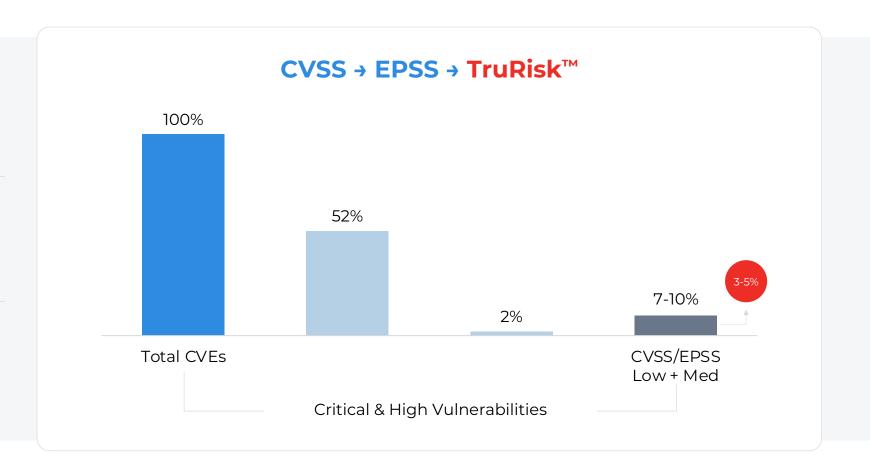
Too Many

EPSS

Too Few

TruRisk[™]

Just Right!



Patch Management



78M

Patches Deployed Since Jan 2024 24 Days

Faster remediation of CISA KEV Vulns

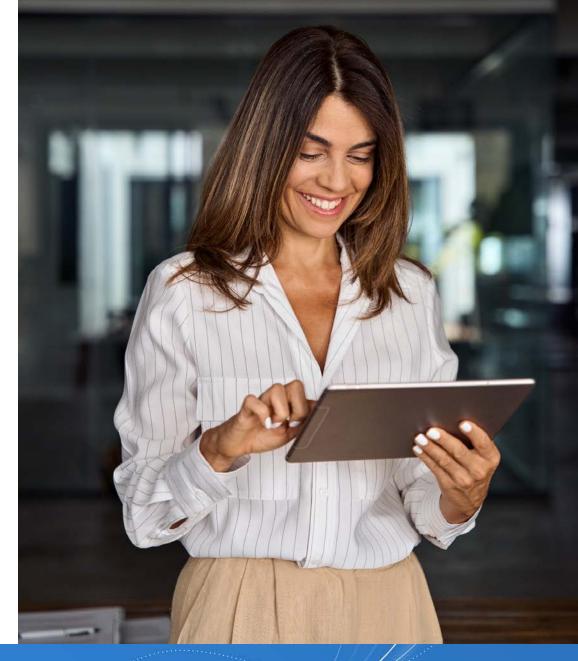
160M

CISA KEV Vulns Remediation with Qualys Patch



Smart Automation

for your Prioritized Low Hanging Fruit Vulnerabilities



Smart Automation



Automate Low Hanging Fruit

Make sure products that introduce low risk of breaking when patched are always up to date



Focus on High-Risk High Reward Products

Identify products that introduce the most risk to your environment and focus on those first



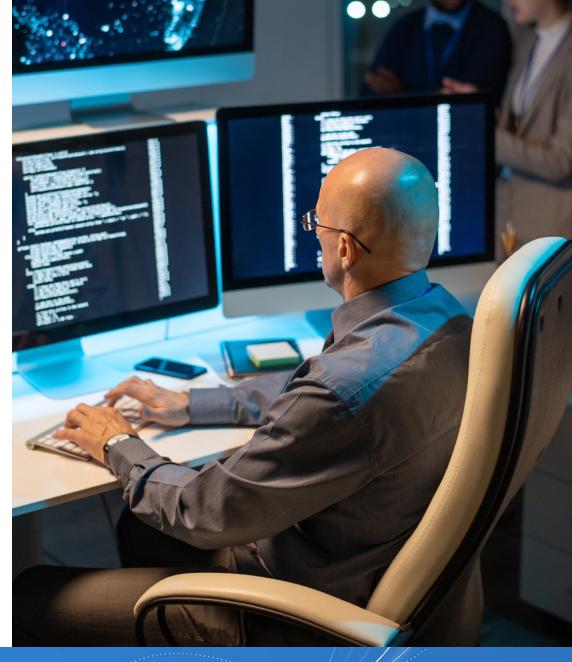
Automate Based on Risk Where Possible

Automatically patch assets if a ransomware related vuln is detected, a CISA related one etc.





Minimize IT – SecOps Communication Friction



Automate the What & How



Let the Product Do the Research for You

Find the right patches and configuration changes required to remediate vulnerabilities



Ready to Be Deployed

Patches and configuration changes are packaged and ready to be deployed



Don't Waste Remediation's Team's Time

Provide IT with an accurate list of patches and configuration changes required to remediate prioritized vulns





Separation of Duty

Follow patching best practices



Test & Deploy



Separation of Duty

Security teams prioritizes vulns, remediation teams test, approve and deploy patches and configuration changes



Test, Approve, Deploy & Rollback

Fully integrated with current IT best practices & tools



Automated Deployment with Testing

Automate "rings" to deploy patches & conf changes where possible





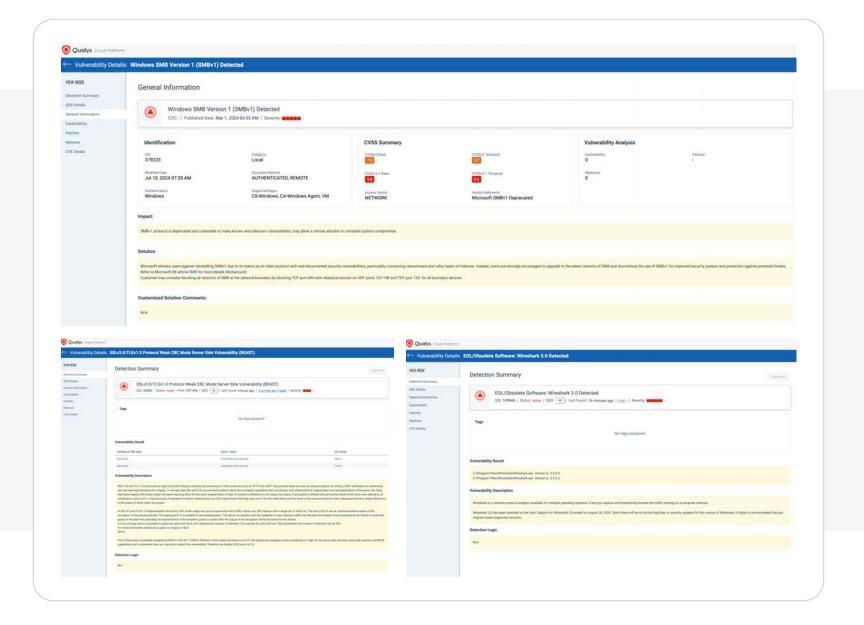


Corey Amsler

Director Risk Management - EVM



Some
Vulnerabilities
Cannot Be
Remediated
with a Patch
Because There
Is No Patch



In some cases, patches cannot be deployed to production servers where service interruptions due to patching are not acceptable!

Zero-day vulnerabilities usually do not have a patch at the time of disclosure.

TruRisk Eliminate

Expanding Remediation Beyond Patching



TruRisk Eliminate

Patch + TruRisk Mitigate + TruRisk Isolate

Eliminate it, don't just measure it.



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 exemples: block ports, stop services, conf changes, Etc.



Most mitigations can be easily rollbacked 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



Device Isolation

As a Last Resort



Isolate the device from the network

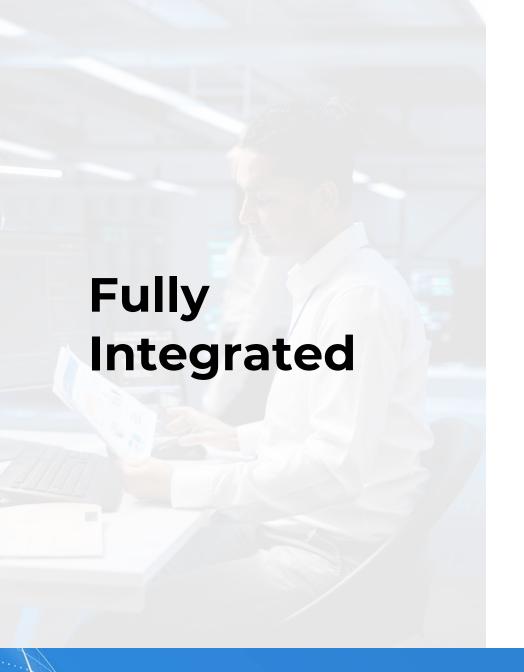


Allow remote patching and control from Qualys and other allowed resources



Agent technology – no EDR technology required





Familiar Workflows



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



All results are reflected in VMDR reports

Follow Up Session

Patch and Patchless Patching: Achieving Immediate Risk Reduction

Tomorrow 3:40PM

TruRisk Mitigate

Available: End of October 2024



Demo



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

TruRisk Eliminate

Map vulnerabilities to remediation and mitigation actions



Minimize MTTR

For all your critical vulnerabilities.



Better Collaboration

Between security and remediation teams – address vulnerabilities the way that best suits your teams



Fully Integrated

with VMDR and Patch workflows, reporting and UX



Focus on Risk Reduction

Prioritize and address all sorts of vulnerabilities based on their security risk





Q&A

