

QUALYS SECURITY CONFERENCE 2018

Real-Time Vulnerability Management

Operationalizing the VM process from detection to remediation

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Agenda

Expanding Vulnerability Management

Introducing Qualys Patch Management

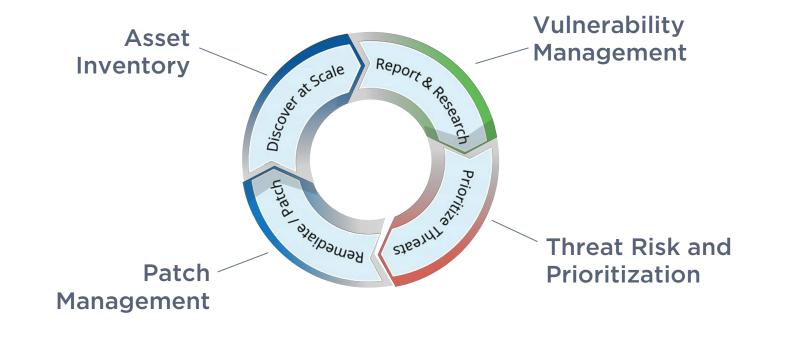
Unified Dashboard



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Vulnerability Management Lifecycle



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Case Study: Large US Bank

Challenge

Difficult to prioritize vulnerabilities across 100,000 endpoints

Manual correlation of external threat data

No active alerting on highthreat vulnerabilities

Low visibility into workstations

Solution

Threat Protection RTIs automates prioritization

Threat Protection Live Feed provides one-click access to impacted assets

Continuous Monitoring combined with RTIs

Qualys Cloud Agent for continuous and complete visibility



Vulnerability Management Platform Evolution



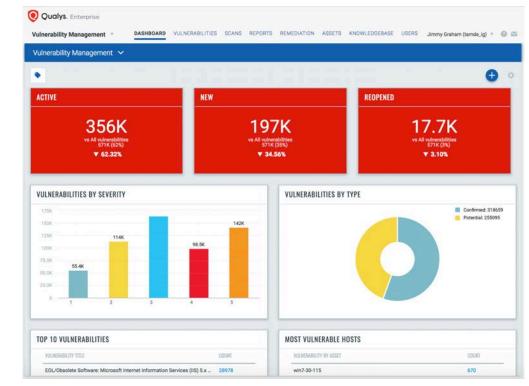
Elastic VM Dashboard

Merges AssetView technology into Qualys VM

Build widgets with vulnerability counts

Search filters for quickly building queries

Replace long-running reports with live widgets



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Opening Up the VM Detections Platform

Custom Remote Detections

Qualys Remote Detection Interface (QRDI)

Create your own or share on Qualys Community

Supports HTTP(S) and raw TCP

Regex grouping and capturing

LUA scripting for advanced logic

{} IPc	am_QRDI.json ●
1	{
2	"detection_type": "http dialog", "api_version": 1, "trigger_type": '
3	"dialog": [
4	
5	"transaction": "http get",
6	"object": "/cgi-bin/CGIProxy.fcgi?usr=visitor&pwd=testingqu
7	"on_error": "stop"
8), a maximum a conservation
9	
10	"transaction": "process",
11	"mode": "regexp",
12	<pre>"match": "<firmwarever>(.*)</firmwarever>",</pre>
13	"extract": [{"var": "wholeMatch"}, {"var": "firmwareVersion"
14	
15	{
16	"transaction": "report", "result": {"concat": ["Foscam Firm
17	
18	
19	}
20	

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Demo

(VM)

Elastic VM Dashboard

Microsoft SQL Server 2008 R2 2979597 APP NONE 351175 CVE-2017-6871 Service Pack 3 (KB2979597)

Microsoft Windows Security MST/-NET-04 4019263, OS 1 CERTICAL 197064 None 1 Update May 2017 4019264, ...

Oracle Java SE Critical Patch MS17-NET-Update - April 2017

MS16-NET-02

GRITICAL 170682 CVE-20

170682 CVE-2018-6791

Qualys Patch Management Overview



Current Patch Management Tools

Challenges and Impact



Manual correlation of vulnerability to patch leads to delayed mean-time-toremediation

Waiting for vulnerability reports to confirm the patch has fixed the vulnerability

Remote systems only patched when connected to corporate network

Limited or no coverage of third-party apps

Multiple patching solutions for each OS type





Introducing Qualys Patch Management

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Patch Catalog									
104 Total Patches		× patchStatus: "Missing"							
		Actors (0) 🛩						1 - 50 of 104 🔯 🖒 🔅	
		PAICH TILE		BULLETIN 7 KB	TYPE	00	SEVERITY	MISSING	INSTALLED
PATCH STATUS Missing installed OS FAMILY Windows Net internet Explorer SQL Server Visual C++ VENDR Microsoft Oracle VMware	104 0 52 17 7 6 1 83 11 10	Network Interface Card settings can be r Published on Mar 29, 2018	Q	MSNS18-03-4099950 Q4099950	OS	8	none	1	0
		Security Only updates for .NET Framewo_ Published on Aug 13, 2018	٢	MS18-08-SONET-43456 Q4344167	APP	2	Important	1	0
		Security Only update for .NET Framewor Published on Jul 09, 2018	٢	MS18-07-SONET-43400 Q4338612	0S		Important	1	0
		Security Only update for .NET Framewor Published on Jan 08, 2018	٢	MS18-01-SONET-40552 Q4054176	OS	91167 (2 mm.)	important	1	0
		VMware Tools 10.2.0 Published on Dec 14, 2017	٢	VMWT-022 QVMWT1020	APP	370713	none	1	0
		VirtualBox 5.2.4 Published on Dec 19, 2017	٢	0VB-007 Q0VB524	APP	370377	none	1	0
	10	Preview of Monthly Rollup for Windows _	ð	MSNS18-05-0P7-41037	05	1	none	1	0

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Automated correlation of vulnerability and patch data – Which patch fixes the CVE?

Simple dashboarding for tracking patch deployments

Patch using the Qualys Cloud Agent, anywhere

Patch OS and third-party applications

Single solution for Windows, macOS, and Linux



Shift From Reaction Mode to Operational Security



Always up-to-date on missing patches

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Security and IT teams can "speak the same language"

Collaboration -key to successful digital transformation

Unify discovery, prioritization, and remediation into one platform

Rapid remediation of highprofile vulnerabilities in days vs. weeks

Regularly scheduled deployments are repeatable and reported on

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Demo РМ Patch Management Beta

Platform Support



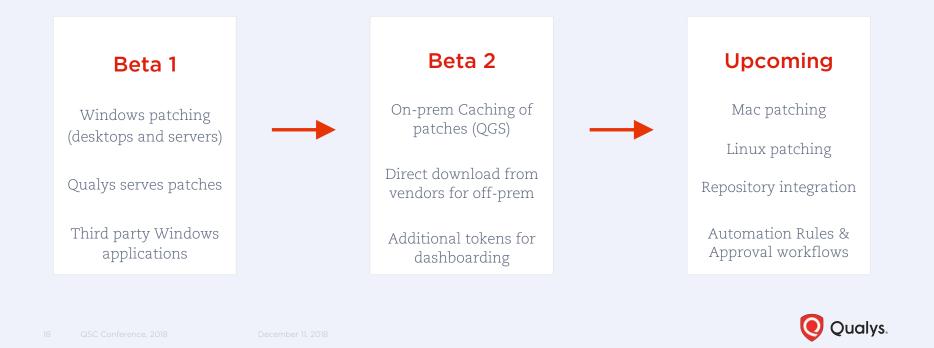
* Beta will focus on Windows- other operating systems will follow later * Roadmap items are future-looking; timing and specifications may change

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Roadmap

Beta: Q4 2018 – Windows patch deployment General Availability: Early 2019



Unified Dashboards Overview



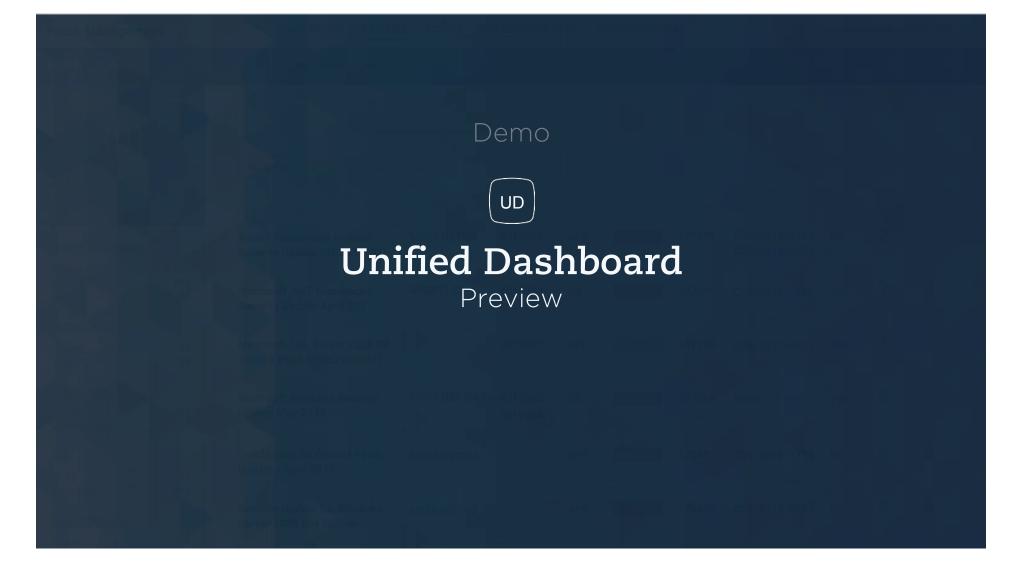
Unified Dashboard

Build dashboards with widgets from multiple Qualys Cloud Apps

Target servers, containers, instances, web apps, etc. using Asset Tags

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Qualys. Enterprise Unified Dashboard DASHBOARD :0 0 Demo QSC 🗸 0 Last 30 Days SOFTWARE LIFECYCLE DISTRIBUTION TOP EOL SOFTWARE CATEGORIES TOP EOL SOFTWARE PUBLISHERS 600 500 400 Not Available 300 FOL/FOS Applicatio Database Network n_ s Applicat_ Digital TAM ITAM TOTAL VULNERABILITIES TOTAL BY SEVERITY TOTAL BY STATUS 2 1,35K 10.4K . 500 1.00K 1.50K 2.00K 2.50K 3.00K 3.50P VM VM VM ASSETS WITH VULN EXPLOIT_ ASSETS WITH EASILY EXPLOI. ASSETS WITH PUBLIC EXPLOI. ASSETS WITH POTENTIALLY ... 1.67K 60.6K 46.5K 54.9K vs All Assets 116K (1%) rs All Assets 116K (47%) ▼ 47.46% ▼ 1.44% ¥ 52.38% ▼ 40.19%



Unified Dashboard Rollout

Phase 1

Unified Dashboard App Global dashboard filters

Support for:



Phase 2

Unified widget builder Upgrade existing Cloud App Dashboards

Support for:



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Thank You

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