



## Qualys 8.7 Release Notes

This new release of the Qualys Cloud Suite of Security and Compliance Applications includes improvements to Vulnerability Management and Policy Compliance.

### **Qualys Cloud Platform**

- Require SMB Signing for Windows Authentication
- SAML Support for SHA256 Signature Algorithm
- View Scanner License Count
- Administration Utility in the Module Picker

### **Qualys Vulnerability Management (VM)**

- Quickly Identify SHA1 Certificates
- Easily Identify Vulnerabilities Supported by Module
- Select Single Scanner Appliance for Scans
- Host Counts Added to Scan Results Appendix
- Scan Reports – Exclude Superseded Patches
- Patch Reports – New Patch Evaluation Method
- Ability to Remove Host IPs from the VM module only
- Improvements to scan reports with trending
- Improved Remediation Ticket Search
- New Refresh Option for Most Vulnerable Hosts List

### **Qualys Policy Compliance (PC/SCAP)**

- Copy Control Settings
- Unix Directory Search Check – Find files without certain permissions
- Make reports available to other users
- Ability to Remove IPs from the PC module only
- New Technologies Supported – IBM DB2 10.x and Oracle 12c

### **Qualys API Enhancements**

- Scan Report List – New Target Element
- New Schedule Report API
- VM – Easily Identify Vulnerabilities Supported by Module
- VM – First Found Date added to Asset Search Report CSV, XML
- VM – Show Detections Since Certain Time
- PC – New Exception API

## Qualys Cloud Platform

### Require SMB Signing for Windows Authentication

You'll see the new "Require SMB Signing" option in your Windows authentication records. This option is unchecked by default, meaning SMB signing is not required. This is the recommended setting. When unchecked, we can authenticate to any Windows version regardless of how SMB signing is configured on the target. You are not protected, however, against man-in-the-middle (MITM) attacks.

If you select this option in your record, we will require each Windows target to support SMB signing, whether configured through Local Policy or Group Policy. If SMB signing is disabled on a target host, authentication will fail and the host will not be scanned. This option protects against MITM attacks but we won't be able to authenticate to some hosts.

**New Windows Record** Launch Help

Record Title > **Login Credentials**

**Login Credentials** >

IPs >

Comments >

**Windows Authentication**

☐ Local

☒ Domain

Domain type:

Domain:

**NTLM**

☒ Enable NTLM Authentication

☒ Require SMB Signing

☐ Require SMB Signing

**Require target hosts to support SMB Signing (Off by default)**

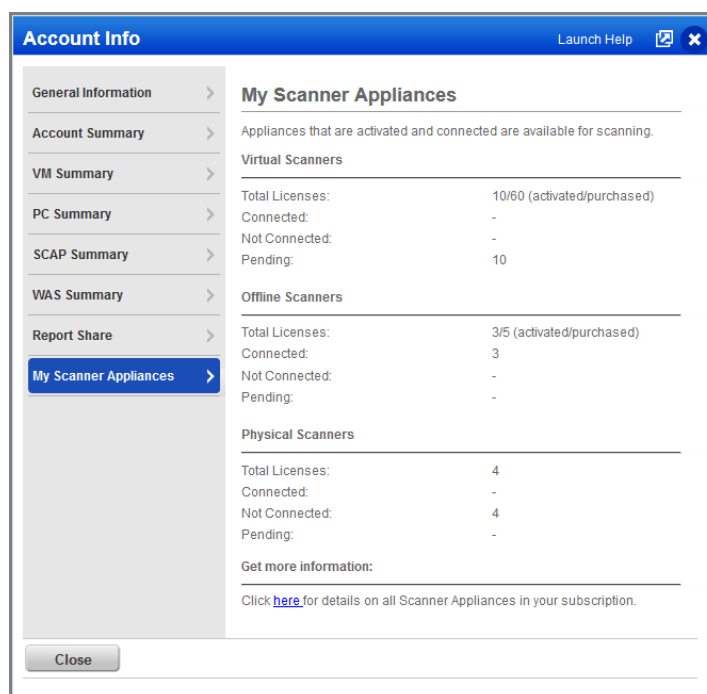
### SAML Support for SHA256 Signature Algorithm

Using SAML SSO? You now have the option to use the SHA256 signature algorithm when connecting from the Qualys Cloud Platform to your IdP. We'll continue to use SHA1. Contact your Technical Account Manager or Qualys Support to switch to SHA256.

## View Scanner License Count

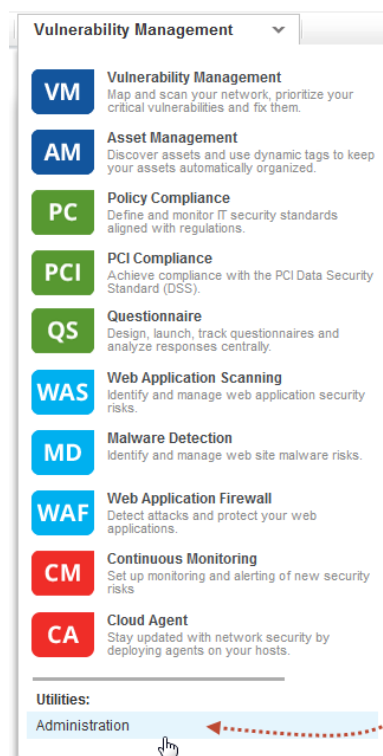
You can now easily track scanner licenses for your account.

Go to Help > Account Info and choose the My Scanner Appliances tab. We'll show you how many of your purchased licenses are activated for virtual, offline and physical scanner appliances.



## Administration Utility in the Module Picker

Use the Administration utility to view and manage users with access to certain applications like AM, WAS, WAF, MD, CM, etc. This option was not visible from the VM and PC applications in previous releases.



Click here to  
jump to the  
Admin utility

# Qualys Vulnerability Management (VM)

## Quickly Identify SHA1 Certificates

SHA1 is being deprecated so it's critical that any new certificates installed on the hosts in your environment use SHA256 and that existing SHA1 certificates are replaced. Our easy to search certificates inventory will help you with this task.

### From the Community

[SHA1 Deprecation: What You Need to Know](#)

### How do I find my SHA1 certificates?

We've made this easy for you. Go to VM > Assets > Certificates and choose the SHA1 Certificates filter. We'll list all hosts with SHA1 certificates installed.

The screenshot shows the Qualys Vulnerability Management interface. The top navigation bar includes 'Dashboard', 'Scans', 'Reports', 'Remediation', 'Assets', 'KnowledgeBase', and 'Users'. The 'Assets' section is active, and the 'Certificates' tab is selected. The 'Overview' section shows a 'Certificate Breakdown' with filters for 'All (37)', 'Expired (22)', 'Self-Signed (17)', 'Unique Key Size (3)', and 'Certificate Authority (32)'. A 'Certificates at Risk' bar chart shows 59% risk, and an 'Impacted Hosts' bar chart shows 13% impact. Below these, a table lists certificates with columns for Fingerprint, Name / Organization, Algorithm, Invalid After / Before, Port, Grade, and IP / Hostname. A red arrow points to the 'SHA1 Certificates' filter in the 'Filters' dropdown menu, which is highlighted with a red circle. The table shows several certificates, including one with a grade of 'F' and a grade of 'T'.

Fingerprint	Name / Organization	Algorithm	Invalid After / Before	Port	Grade	IP / Hostname
C5FBFB7D8F3459DE96...	com2k12dc.compli...	sha1WithRSA	December 12, 2015 (Expired)	3389	F	10.10.10.77 (Global Default N...)
7320B1E14ECC2F8794...	12r2dtr-10-86	sha1WithRSA	December 31, 2015	3389	F	10.10.10.86 (Global Default N...)
2376CC7D94EC591ED7...	2010sp1-10-46.ex...	sha1WithRSA	January 01, 2016	3389	F	10.10.10.46 (Global Default N...)
0248A67CB3FDF9AC64...	2010sp1-10-46.ex...	sha1WithRSA	July 02, 2015	3389	F	10.10.10.46 (Global Default N...)
4EBA7F4446B83C2080365FC67FE8D6B8C...	vistasp1-26-108	sha1WithRSA	February 01, 2016	3389	T	10.10.10.11 (Global Default N...)

## Easily Identify Vulnerabilities Supported by Module

Find out what vulnerabilities in our KnowledgeBase are supported by different Qualys modules – VM, Cloud Agent, WAS, WAF and MD. Use the KnowledgeBase Search option to identify vulnerabilities that can be detected by VM scans, Windows Cloud Agent and Linux Cloud Agent plus more. Note – These same options appear when selecting list criteria for dynamic search lists.

**Search**

Published: ☐ NOT

Confirmed Severity: ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Level 5

Potential Severity: ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Level 5

Information Severity: ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Level 5

Vendor: ☐ NOT

Product: ☐ NOT

Vulnerability Details:

**Supported Modules:** ☐ VM ☐ CA-Windows Agent ☐ CA-Linux Agent ☐ WAS ☐ WAF ☐ MD

**Search**

We've added a supported modules section to the vulnerability (QID) information, and this is where you'll see the Qualys modules that may be used to detect each QID. For example, QID 86129 can be detected by a vulnerability scan and also by a Windows Cloud Agent.

**Vulnerability Information - QID 86129** [Launch Help](#)

**General Information** **Details**

**Details**

QID: 86129

Category: Web server

CVE ID: [CVE-2015-0174](#) [CVE-2014-3566](#) [CVE-2014-3083](#) [CVE-2014-8890](#) [CVE-2015-0175](#) [CVE-2015-1885](#) [CVE-2015-1882](#)

Vendor Reference: [IBM swq21697368](#)

Bugtraq ID: [74215](#) , [70574](#) , [69298](#) , [71834](#) , [74223](#) , [74219](#) , [74222](#)

Patch Available: Yes

Virtual Patch Available: No

PCI Reasons: Reasons for failing PCI compliance are below.

[The QID adheres to the PCI requirements based on the CVSS basescore.](#)

**Supported Modules:** VM, CA-Windows Agent

CVSS Base: 9.3 AV:N/AC:M/Au:N/C:I/C/A:C

CVSS Temporal: 7.3 E:POC/RL:OF/RC:C

CVSS Access Vector: Network

**Close** **Edit**

## Select Single Scanner Appliance for Scans

Quickly select a single scanner appliance for your internal vulnerability and compliance scans (PC and SCAP). We'll show all available scanners in the scanner appliance list so you don't have to use the Build my list option.

The screenshot shows the 'Launch Vulnerability Scan' window. The 'General Information' section includes fields for Title, Option Profile (set to 'Initial Options (default)'), and Network (set to 'Global Default Network'). The 'Scanner Appliance' dropdown is open, showing a list of options: Default, External, All Scanners in Asset Group, All Scanners in TagSet, All Scanners in Network, Build my list, scanner1\_ppppp, scanner2\_long\_n (highlighted with a red circle and a red arrow pointing to it with the text 'Select a single scanner appliance for this scan'), scanner3, and testsrc\_vm1. Below the dropdown is the 'Choose Target Hosts' section with radio buttons for Assets, Asset Groups, and IPs/Ranges.

## Host Counts Added to Scan Results Appendix

See at-a-glance the number of hosts that were scanned / not scanned for various reasons. Host counts appear in the Appendix section of your vulnerability scan results, as shown in this sample report.

The screenshot shows the 'Scan Results' window with the 'Appendix' section expanded. The 'Hosts Scanned' section includes 'Successfully Scanned Hosts (IP)' with a list of IP addresses and 'Target distribution across scanner appliances' with a list of IP addresses. The 'Hosts Not Scanned' section includes 'Excluded Hosts (IP) (2)' with a list of IP addresses, 'Hosts Not Alive (IP) (9)' with a list of IP addresses, 'Scan Canceled by User (IP) (5)' with a list of IP addresses, 'No vulnerabilities match your filters for these hosts (1)' with a list of IP addresses, 'Windows authentication was successful for these hosts (4)' with a list of IP addresses, and 'Unix/Cisco IOS authentication was successful for these hosts (1)' with a list of IP addresses.

## Scan Reports – Exclude Superseded Patches

We've integrated some of the patch report functionality into your scan reports by introducing a new filter for superseded patches. With this option enabled, we'll report only the recommended patches for each host and filter out patches that have been superseded.

How it works – A missing patch is identified by a QID like any other vulnerability. We'll report all missing patches (even those that have been superseded by newer patches) unless you select this option.

**New Scan Report Template** Turn help tips: On | Off Launch Help

Report Title > Findings > Display > **Filter** > Services and Ports > User Access >

**Pre-defined QID Filters**

- ☐ Exclude non-running services  
Use this filter to exclude vulnerabilities found on a port/service that is not running. Applicable only to certain QIDs. [View QIDs](#)
- ☐ Exclude QIDs not exploitable due to configuration  
Use this filter to exclude vulnerabilities that are not exploitable because there's a specific configuration present on the host. Applicable only to certain QIDs. [View QIDs](#)
- ☒ **Exclude superseded patches**  
Use this filter to exclude every patch QID which is superseded by another patch QID recommended for the same Host.

Cancel Test Save As... Save

**Select to filter out superseded patch QIDs**

## Patch Reports – New Patch Evaluation Method

Get the most accurate patch recommendations by selecting our new patch evaluation method in your patch report template. This new method works when you have complete scan findings (all applicable QIDs) for your target hosts. We'll determine the best patches to recommend based on the QIDs detected on each host. Also, when multiple patches are required to fix a vulnerability you'll now see multiple patches recommended in your report. This way you have all the information you need in one report.

**New Patch Template** Launch Help

Report Title > **Findings** > Display > Filter > User Access >

**Configure Recommended Patches**

We recommend you select our new patch evaluation method for the most accurate patches to be recommended. Complete scan information is required (all applicable QIDs) for the hosts you want to report on.

☐ Classic patch evaluation ☒ **QID based patch evaluation**

We'll recommend the most accurate patches when you have complete findings (all applicable QIDs) for the host targets selected in this template. Multiple patches may be required to fix a vulnerability and with this option we'll report all recommended patches.

**Choose Host Targets**

Asset Groups: Select items... [Select](#)

IPs/Ranges: All [Select](#)  
Example: 192.168.0.87-192.168.0.92, 192.168.0.200

Asset Tags: Include hosts that have Any of the tags below. [Add Tag](#)  
(no tags selected)  
Do not include hosts that have of the tags below [Add Tag](#)

Cancel Test Save As... Save

Prefer our old method or don't have complete scan findings?

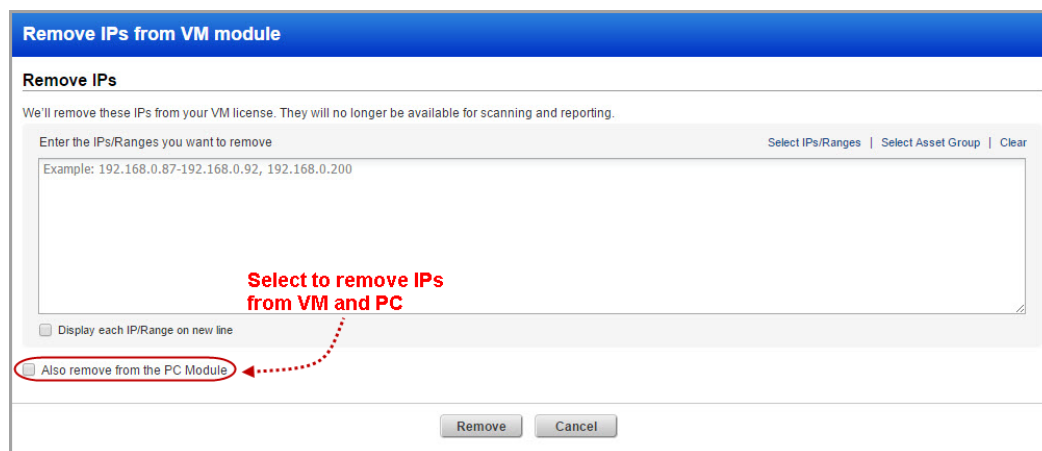
No problem. The Classic evaluation method is for you.

## Ability to Remove Host IPs from the VM module only

You'll notice we've improved the Remove IPs wizard in the VM module (under Assets > Host Assets > New > Remove IPs). You'll enter host IP addresses/ranges you want to remove from your subscription in the field provided, as before. Now these IPs will be removed from the VM module only by default. If you want to remove IPs from your PC module too, be sure to select "Also remove from the PC module".

### Good to know

- Once IPs have been removed, they will no longer be available for scanning and reporting.
- Host IPs with agents installed will not be removed (i.e. hosts with Agent tracking method).



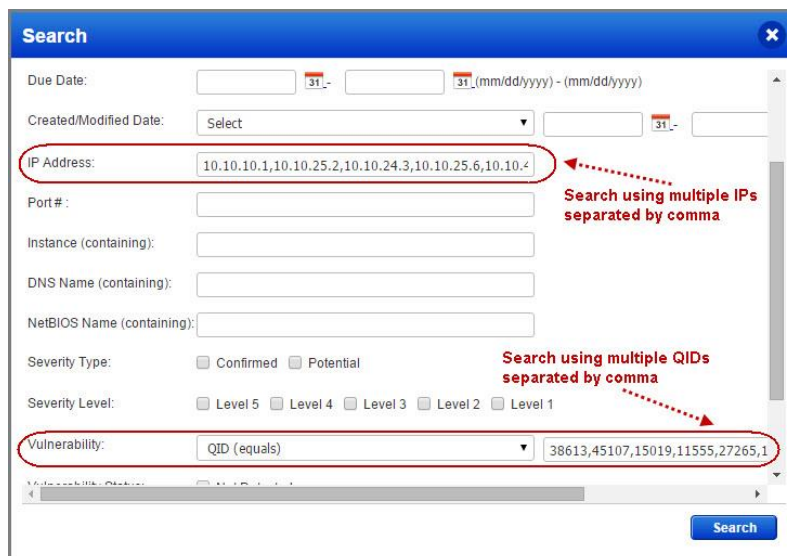
## Improvements to scan reports with trending

We've updated template based scan reports in CSV format, created using a template with trending option enabled. These changes apply when the report template includes Fixed vulnerabilities (Findings > Vulnerability Filters):

- Reports include vulnerabilities fixed in the timeframe selected
- A new Date Last Fixed column appears in the CSV output

## Improved Remediation Ticket Search

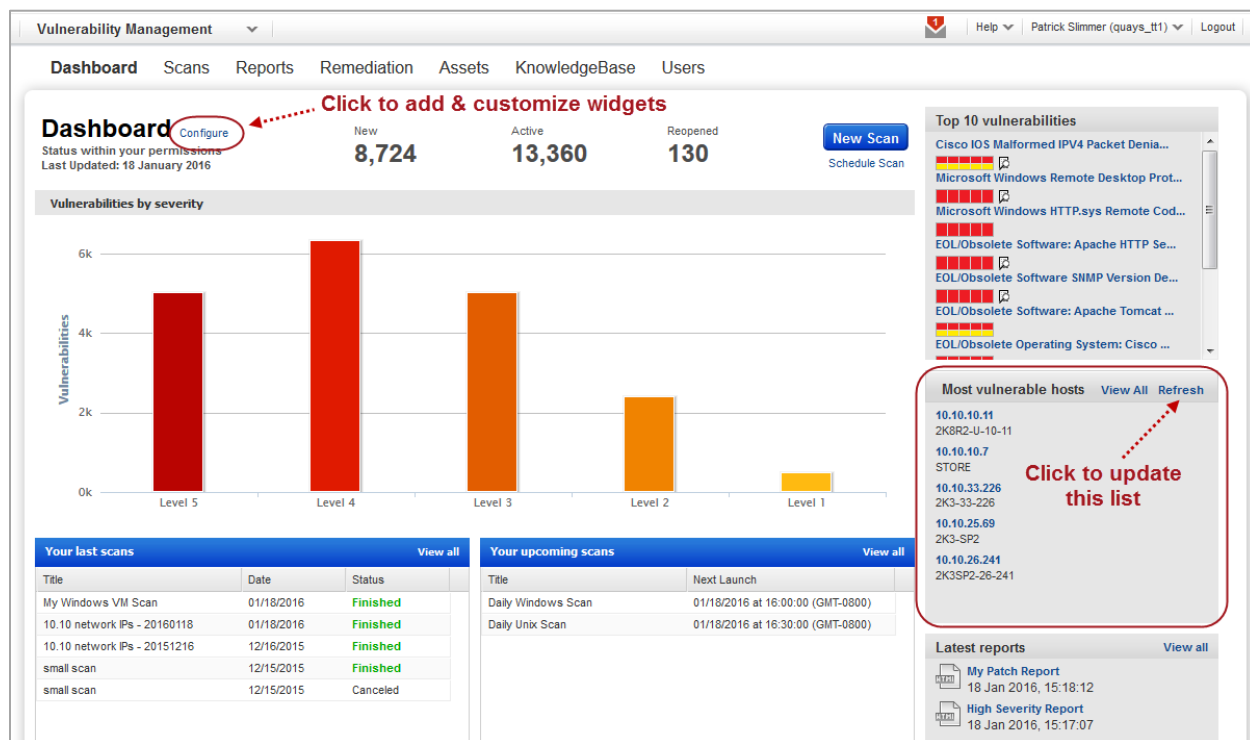
With this release, you can search for remediation tickets associated with multiple hosts and/or multiple vulnerabilities. The search window (Remediation > Tickets > Search) lets you enter multiple IP addresses and QIDs in the fields provided. You can specify multiple IPs or QIDs separated by a comma.





## New Refresh Option for Most Vulnerable Hosts List

Click Refresh to instantly update the Most Vulnerable Hosts list on your Dashboard. This is especially useful when there have been changes made to the assets assigned to you or your business unit. Not seeing the Most Vulnerable Hosts list? Click the Configure link to add & customize this widget.



## Qualys Policy Compliance (PC)

### Copy Control Settings

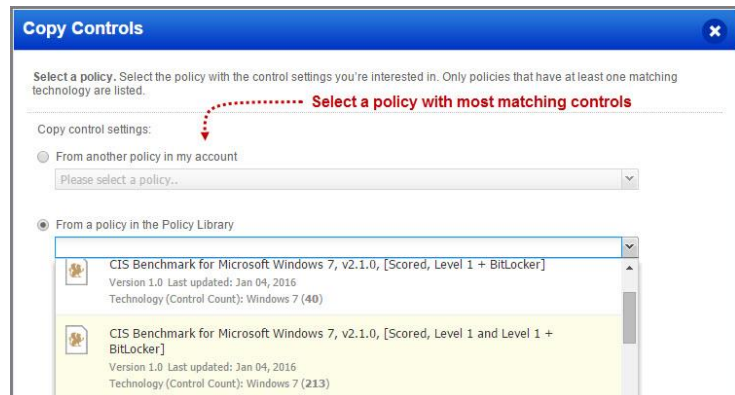
Adding controls to a policy? You can now save time by copying controls already defined in another policy. We'll add them to your policy and copy over the control settings in 3-easy steps:

Click Copy Controls in a new section or existing section in your policy.



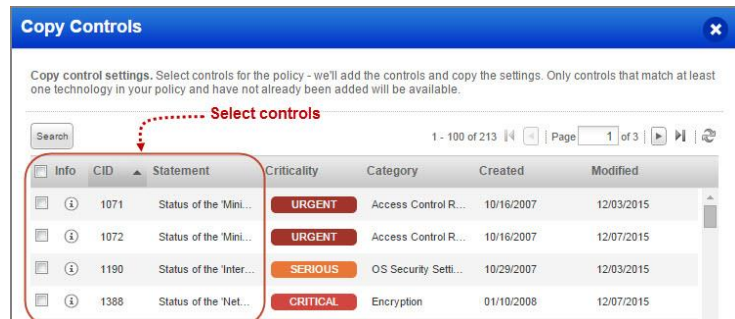
Tell us which policy has the controls you're looking for.

You'll notice that you can select another policy in your account or a policy in the Library. We only list the policies that have at least one matching technology.



Select the controls you want to copy, and click Copy. You can pick service-defined controls (non-deprecated) and user-defined controls.

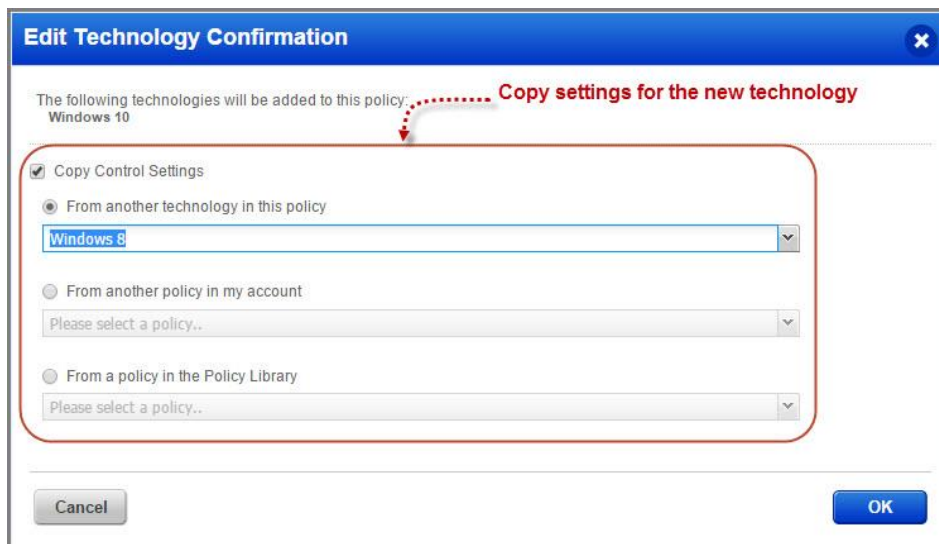
That's it! The controls and their settings are added to your policy.



### Copy settings from one Technology to another

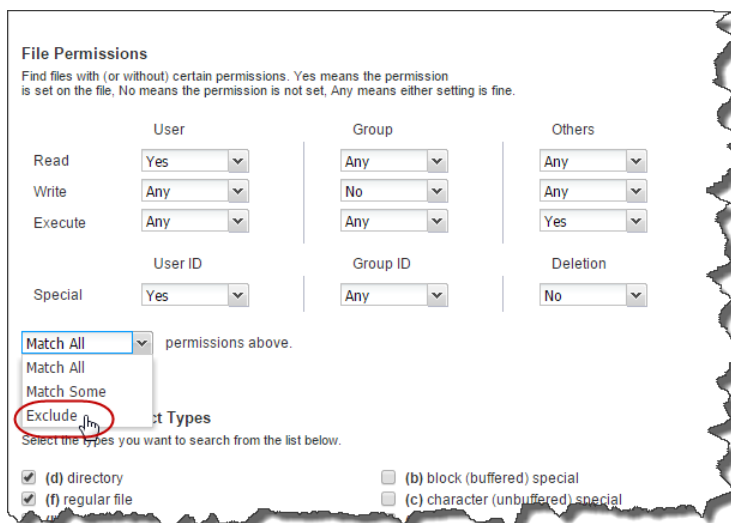
Similarly, when you add a new technology to your policy, you can copy control settings from 1) another technology in the same policy, 2) another policy in your account or 3) a policy in the Library.

For example, let's say you're adding Windows 10 to your policy and you choose to copy settings from another technology like Windows 8. We will apply settings from all applicable Windows 8 controls to Windows 10 controls.



## Unix Directory Search Check – Find files without certain permissions

You can now select “Exclude” to return files that exclude your permission settings from Scan Parameters while creating new Unix Directory Search checks.

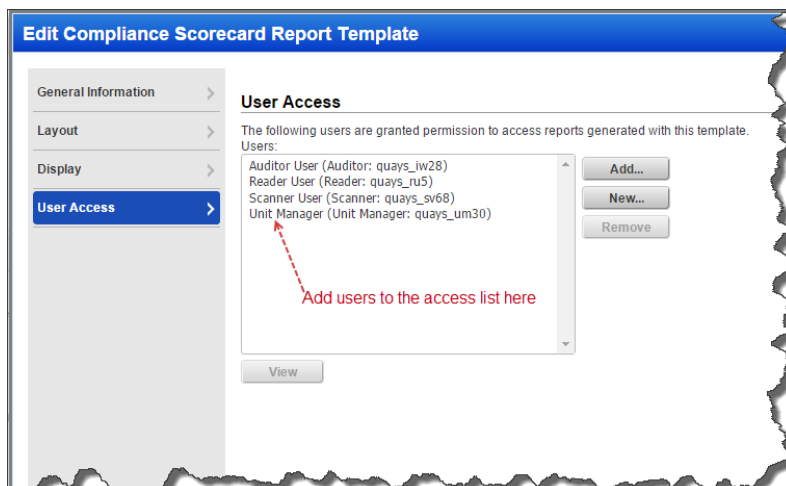


Navigate to Policies > Controls and in New Control go to the Scan Parameters.

In the File Permissions section define the permissions you want to exclude during the search and select “Exclude”.

## Make reports available to other users

You can now make Policy Compliance reports available to users who don’t already have access to them. Simply create a user access list in your compliance report templates. Users added to the template can view all reports generated from the template. Finished reports appear on the Reports tab.



Sound familiar? That's because this option is already available in VM scan reports and patch reports

### Who can edit the access list?

Managers, Unit Managers and Auditors can add and remove users from the access list.

### What happens when a user is removed from the list?

The user can no longer view the completed report in the Reports tab.

### Can a user access a report on IPs that are not in the user's account?

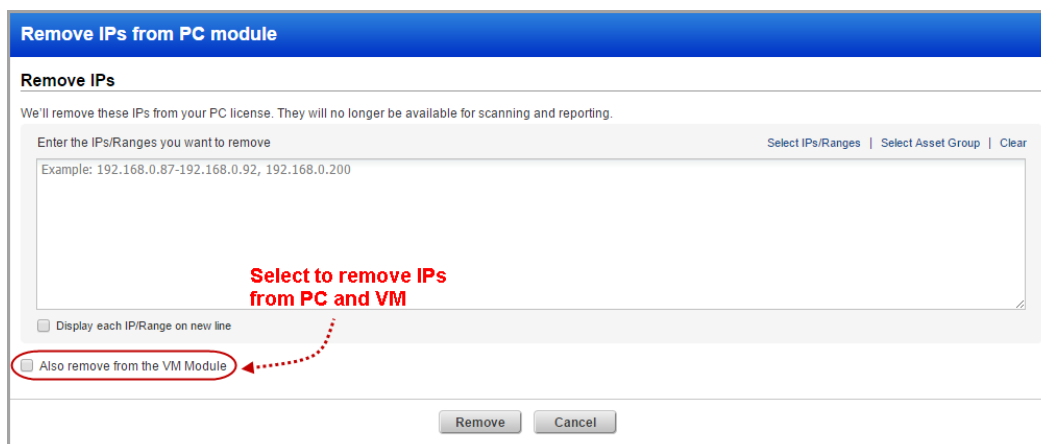
Yes, once a user is given access to a report template, the user can view all report content even if the IPs in the report are not in the user's account.

## Ability to Remove IPs from the PC module only

In this release, we've enhanced the Remove IPs wizard in the PC module (under Assets > Host Assets > New > Remove IPs). You'll enter host IP addresses/ranges you want to remove from your subscription in the field provided, as before. Now these IPs will be removed from the PC module only by default. To remove them from your VM module too, be sure to select "Also remove from the VM module".

### Good to know

- Once IPs have been removed, they will no longer be available for scanning and reporting.
- Host IPs with agents installed will not be removed (i.e. hosts with the Agent tracking method).



## New Technologies Supported – IBM DB2 10.x and Oracle 12c

You can now evaluate compliance status for hosts running IBM DB2 10.x or Oracle 12c. It's easy to create new policies for these technologies. Simply choose the Create from Scratch option and then select technologies from the list. Optionally, add new technologies to your existing policies.

The image shows two screenshots of the 'Create a New Policy' dialog box. The left screenshot shows the 'Technologies' list with 'IBM DB2 10.x' selected. The right screenshot shows the 'Technologies' list with 'Oracle 12c' selected.

**Create a New Policy**

**Empty Policy:** Build your policy from scratch.  
Select technologies for your policy. Your selection makes up the global technologies list for the policy and determines which controls can be added to the policy. Note - You can change the technologies at any time from within the Policy Editor.

**Technologies** Select at least one technology. REQUIRED

Search technologies: [Search bar] Add All | Remove All

No technologies selected 88 technologies Add all shown

HPUX 11.1v1  
HPUX 11.1v2  
HPUX 11.1v3  
**IBM DB2 10.x**  
IBM DB2 9.x  
IBM HTTP Server 7.x

Back Choose Source

**Create a New Policy**

**Empty Policy:** Build your policy from scratch.  
Select technologies for your policy. Your selection makes up the global technologies list for the policy and determines which controls can be added to the policy. Note - You can change the technologies at any time from within the Policy Editor.

**Technologies** Select at least one technology. REQUIRED

Search technologies: [Search bar] Add All | Remove All

No technologies selected 88 technologies Add all shown

NetApp Data ONTAP 8.x  
Oracle 10g  
Oracle 11g  
**Oracle 12c**  
Oracle 9i  
Oracle Enterprise Linux 4.x

Back Choose Source Next

Go to Policies > Controls > Search to quickly find controls applicable to new technologies.

The image shows two screenshots of the 'Search' dialog box. The left screenshot shows the 'Technologies' list with 'IBM DB2 10.x' selected. The right screenshot shows the 'Technologies' list with 'Oracle 12c' selected.

**Search**

CIDs: [Search bar] Example: 1072,1071,1091 (up to 20)

Text: [Search bar]

Status: ☐ Deprecated

**Technologies:** ☐ HPUX 11.1v3 ☒ **IBM DB2 10.x** ☐ IBM DB2 9.x ☐ IBM HTTP Server 7.x ☐ IBM WebSphere Application Server 7.x

**Frameworks:** ☐ CIS - Apache HTTP Server 2.2 Benchmark v3.2.0 3.2.0 ☐ CIS - Apache HTTP Server 2.4 Benchmark v1.2.1 ☐ CIS - Apache HTTP Server 2.4 Benchmark v1.1.0 v1.1.0 12- ☐ CIS - CentOS Linux 7 Benchmark v1.1.0 - 04-02-2015 v1.1.1

Framework ID: [Search bar]

Search

**Search**

CIDs: [Search bar] Example: 1072,1071,1091 (up to 20)

Text: [Search bar]

Status: ☐ Deprecated

**Technologies:** ☐ Oracle 10g ☐ Oracle 11g ☒ **Oracle 12c** ☐ Oracle 9i ☐ Oracle Enterprise Linux 4.x

**Frameworks:** ☐ CIS - Apache HTTP Server 2.2 Benchmark v3.2.0 3.2.0 ☐ CIS - Apache HTTP Server 2.4 Benchmark v1.2.1 ☐ CIS - Apache HTTP Server 2.4 Benchmark v1.1.0 v1.1.0 12- ☐ CIS - CentOS Linux 7 Benchmark v1.1.0 - 04-02-2015 v1.1.1 ☐ CIS - Cisco IOS 2.2 (November 2007) Version 2.2 - Novem

Framework ID: [Search bar]

Search

## Qualys API Enhancements

### Scan Report List – New Target Element

Now the Scan Report List API (/msp/scan\_report\_list.php) returns the IP addresses/ranges that were scanned in the XML output. A new target element was added to the Scan Report List Output DTD (scan\_report\_list.dtd).

### New Schedule Report API

The new Schedule Report API v2 (/api/2.0/fo/schedule/report/) allows you to list scheduled reports in your account and launch new scheduled reports.

### VM – Easily Identify Vulnerabilities Supported by Module

We've added a supported modules section to the vulnerability (QID) information. We updated these APIs: Dynamic Search List API v2, KnowledgeBase API v2, KnowledgeBase Download API v1.

### VM – First Found Date added to Asset Search Report CSV, XML

We updated the Asset Search Report output in CSV and XML format. New elements were added to the Asset Search Report DTD (asset\_search\_report.dtd).

### VM – Show Detections Since Certain Time

With this release you can filter detection list output to show updates since a certain time (date or number of days) using the Detection List API (/api/2.0/fo/asset/host/vm/detection/).

### PC – New Exception API

Our new Exception API (/api/2.0/fo/compliance/exception/) lets you list, request, update and delete exceptions.

---

Want to learn more? See the *Qualys API Release Notes 8.7* for full details. You can download the release notes and our user guides from your account. Just go to [Help > Resources](#).