

Qualys Cloud Platform v3.x

Release Notes

Version 3.1 July 1, 2020

Here's what's new in Qualys Cloud Suite 3.1!



External ID Read-Only for EC2 Connectors



Vulnerability Management Detection and Response

What's new in VMDR?

- Enhanced Asset Tag Selection
- New Age Criteria: Detection Age and Vulnerability Age
- Enriched RTI Filters
- Internet Facing Assets Attack Surface
- Advanced Search
- Grouping Report Data
- Save and Download Reports

Vulnerability Status in CSV File



Introducing Unified Dashboard



Continuous Monitoring

New Threat Protection RTIs – Wormable and Predicted High Risk



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Tagging Permissions

Qualys Cloud Platform 3.1 brings you many more Improvements and updates! Learn more



External ID Read-Only for EC2 Connectors

AWS recommends the External ID should be read-only field as one of its best practices. We have now standardized the EC2 connector creation process adhering to the best practices.

Qualys generates a unique External ID, and auto-populates it during EC2 connector creation. It is now a read-only field and you cannot edit the External ID field, thereby enhancing the security of your AWS account.



What's new in VMDR?

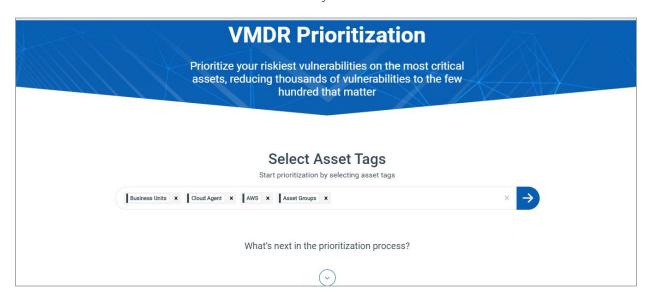
We have enriched our all-in-one Vulnerability Management, Detection, and Response (VMDR) Solution with the following enhancements:

- Enhanced Asset Tag Selection
- New Age Criteria: Detection Age and Vulnerability Age
- Enriched RTIs Filters
- Internet Facing Assets Attack Surface
- Advanced Search
- Grouping Report Data
- Save and Download Reports

Let us see each enhancement in detail.

Asset Tag Selection

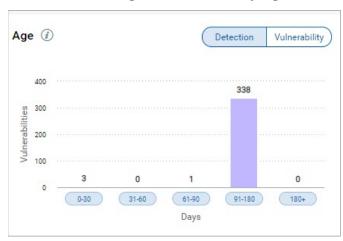
The first step towards VMDR prioritization report is choosing the asset tags. You can confine the list of vulnerabilities associated with the assets you select.



You need to select at least one asset tag before you proceed towards the report creation. Select the Asset Tags to narrow down the assets and then click to proceed ahead.

New Age Criteria: Detection Age and Vulnerability Age

We have now added a new filter for age of vulnerabilities. You could switch between the two filters: Detection Age and Vulnerability Age.



Detection Age indicates age from the day when the vulnerability was first detected.

By default, the Detection Age filter is applied. To opt for Vulnerability Age filter, click Vulnerability tab and make the required selections of age categories.

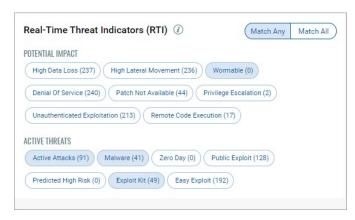
Vulnerability Age indicates age from the day when the vulnerability was first disclosed.

By default, all the age range are applicable. If you want to focus on vulnerabilities of specific age range, de-select the other

categories and ensure that you select only the required age range.

RTI Enhancements

We have enhanced the Real-Time Threat Indicators (RTIs) filter with following developments:



Toggle

We introduced a toggle button for **Match Any** (logical OR) and **Match All** (logical AND). Choose if you want any one of the selected vulnerabilities or ALL of the selected vulnerabilities to exist on the assets to be prioritized.

Categorization:

We have also categorized RTIs into two broad level types: **Potential Impact** and **Active Threats**.

New RTIs

We have introduced the following 3 new RTIs:

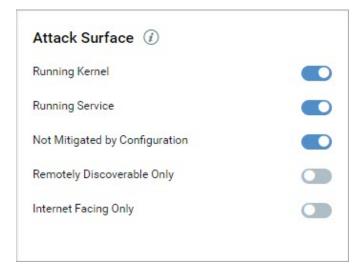
Privilege Escalation - Successful exploitation allows an attacker to gain elevated privileges.

Unauthenticated Exploitation - Exploitation of this vulnerability does not require authentication.

Remote Code Execution - Successful exploitation allows an attacker to execute arbitrary commands or code on a targeted system or in a target process.

Internet Facing Only Attack Surface

We have introduced a new attack surface named **Internet Facing Only**.



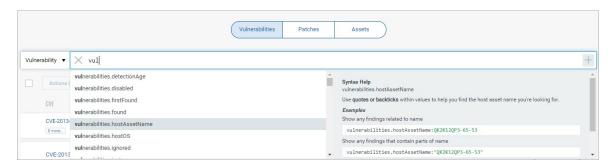
Toggle this filter On to include assets with IP addresses that could be exploitable. By default, this filter is disabled.

The attack surface primarily uses system-defined tag, named Internet Facing Assets (IFA). The tag includes pre-defined ranges of publicly routable IP addresses. This tag automatically tags assets with IPs that fall within the specified ranges.

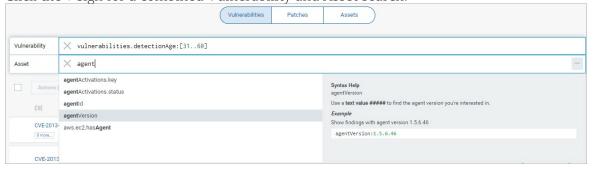
Advanced Search

We have now empowered our search with multiple criteria in a single go.

Start typing in the Search field and we'll show you the properties you can search such as vulnerability severity, detection age, etc. Select the one you're interested in.



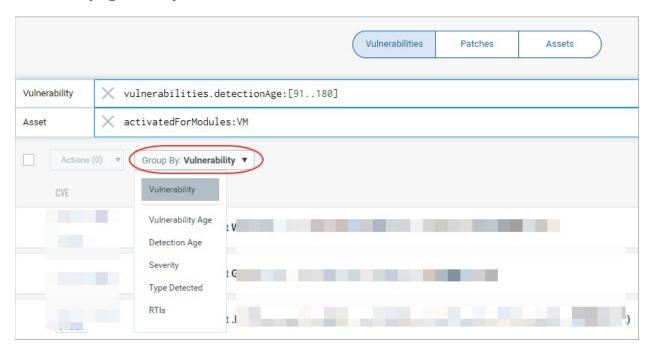
Click the + sign for a combined Vulnerability and Asset search.



Start typing and we'll show you the asset properties you can search like agentId, agent version, etc. Select the one you're interested in. \Now, enter the value you want to match, and press Enter. That's it! Your matches will appear in respective tab.

Grouping Report Data

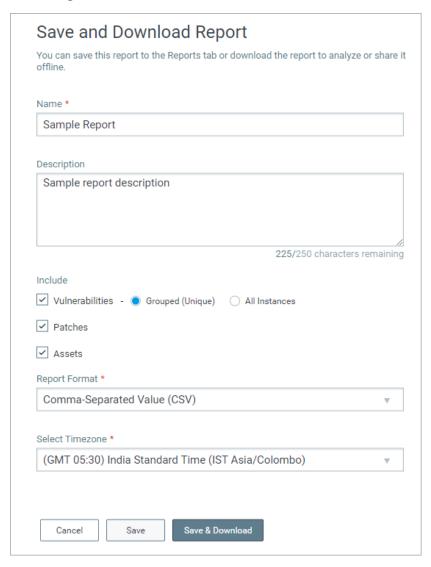
Once you have generated your online VMDR prioritization report, you may want to organize the data further into logical groupings. We offer several group by options such as detection age, vulnerability age, severity and more.



You'll see the number of unique groupings based on your selection and the number of vulnerabilities per group. Click on any grouping to update the search query and view the matching vulnerabilities.

Save and Download Reports

You can save or save and download the VMDR prioritization report to your local system in a single click.



On the VMDR Prioritization report, click **Save & Download**.

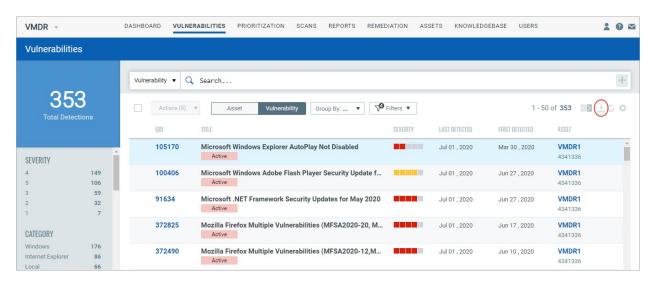
Note: Only after you generate the VMDR prioritization report, the **Save & Download** button is enabled.

On clicking **Save**, the VMDR prioritization report is saved to the reports list on **Reports** tab. On clicking Save & Download, the VMDR Prioritization report is saved to the report list and downloaded to your local system.

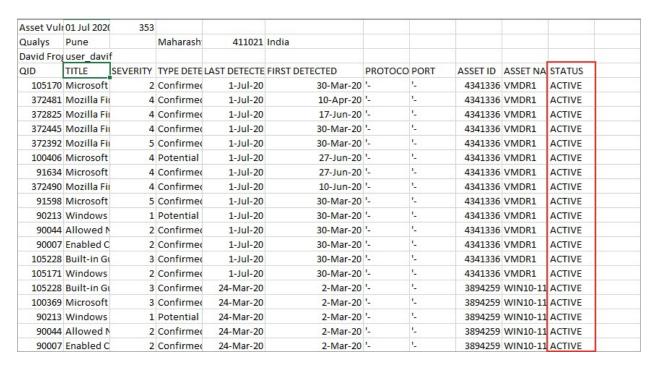
Vulnerability Status in CSV File

We have now introduced the status of vulnerabilities in the file you download from Vulnerabilities tab. When you download vulnerabilities in CSV format, we now include the status column, which indicates if the vulnerability is New or Active.

Go to Vulnerabilities tab and the vulnerabilities are displayed. You could type a search query to narrow down the list of vulnerabilities.



Click to download the data list in CSV format. The CSV file now includes Status column.



UD **Unified Dashboard**

Introducing Unified Dashboard

We have introduced a new app named Unified Dashboard (UD) to enrich your dashboarding experience.

Unified Dashboard (UD) brings information from all Qualys applications into a single place for visualization. UD provides a powerful new dashboarding framework along with platform service that will be consumed and used by all other products to enhance the existing dashboard capabilities.

You can use dashboards to convey relevant information to any audience at any time and in any place. The dashboards can be customized and shared with their intended end-users.

UD provides greater agility and enriches capabilities of dashboards. You can visualize data from other applications at a central place and get a better understanding of your data. You can use widget builder and improvise dashboards to make it uniform across all products.

Benefits

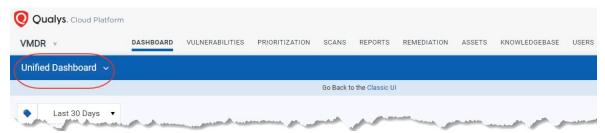
- -Powerful platform to enhance your dashboards
- -Capability to pull information from all Qualys applications
- -Central place to visualize your data from different
- -Enhanced widget builder capabilities for uniform widgets across all products.

Qualys applications Sample Dashboard



Integration with VMDR

Unified Dashboard is integrated with VMDR for quick accessibility.



You can use the default VMDR dashboard provided by Qualys or easily configure widgets to pull information from other modules/applications and add them to your dashboard. You can also add as many dashboards as you like to customize your vulnerability posture view.

CM Continuous Monitoring

New Threat Protection RTIs - Wormable and Predicted High Risk

With this release, you can configure a ruleset to get alerts on active security threats using these Threat Protection Real-Time Threat Indicators:

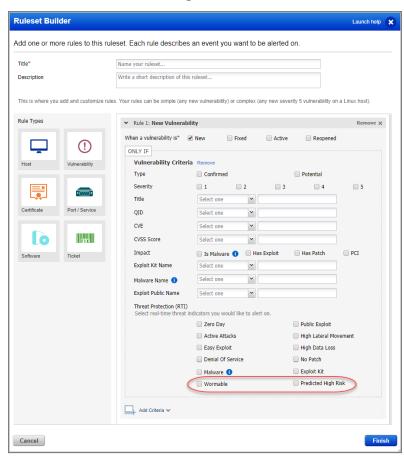
Wormable - Wormable has been associated with this vulnerability. The vulnerability can be used in "worms" - malware that spreads itself without user interaction.

Predicted High Risk - Predicted High Risk has been associated with this vulnerability. Qualys Machine Learning Model predicted this vulnerability as a High Risk based on various data sources including NVD, Social network, Dark web, Security Blogs, Code repository, Exploits etc.

How to configure a ruleset using threat indicators

Go to Configuration > Rulesets. Create a new ruleset or edit an existing one. In the Ruleset Builder, drag the Vulnerability rule type to the right side to start setting rule criteria.

First pick from vulnerability status levels (New, Active, etc) and then choose Add Criteria > Vulnerability. Scroll down and you'll see Threat Protection real-time indicators, including Wormable and Predicted High Risk.



You may also notice that we renamed Actively Attacked to Active Attacks and Exploit Public to Public Exploit to be consistent across Qualys apps.

Not seeing Threat Protection (RTI) in the Ruleset Builder?

Threat Protection RTI options are only available to Threat Protection users with Trial or Full subscriptions.

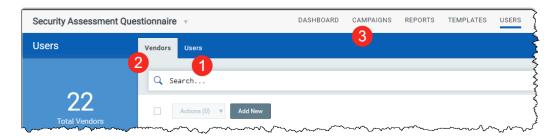


Security Assessment Questionnaire

Vendor On-boarding

We have now added the ability to onboard new vendors, keep track of the existing ones, and keeping record of their areas of business as well as gain accurate visibility into your vendors' records and related areas.

To onboard a new vendor and send out vendor assessments you need to do the following:

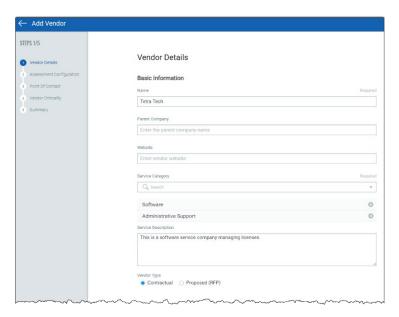


- 1) Create or identify existing users in SAQ for your vendor. Simply navigate to the USERS > Users tab to create new users.
- 2) Create a Vendor, by navigating to USERS > Vendors tab.
- 3) Create a campaign and add the user associated with that vendor to the campaign to initiate vendor assessment.

You can create Vendor profiles with required information such as contact details (SPOC), address, service provided and so on, including the ability to upload contractual files.

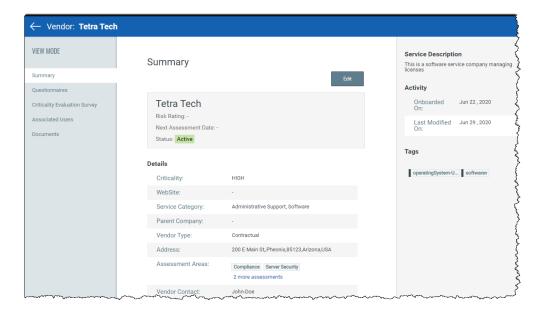
To onboard a vendor following onscreen wizard and do the following:

- Provide basic vendor information like company details, category of service provided, etc. Specify if the vendor is contractual or still in proposed state (RFP) and upload relevant contract documents
- In Assessment Configuration, identify the assessment areas that are relevant to services provided by your vendor. You can also add tags to better organize vendors in your organization.
- Identify Point of Contact for your vendor, along with identifying associated users and internal contact.
- Define vendor criticality manually or by using our internal campaign template to help you auto-calculate the criticality.



Once created this vendor is added to the vendors list in the Vendors tab. You can View, Edit, or Delete users using the Quick Actions menu.

To view vendor details, simply navigate to USERS > Vendors tab and choose the vendor you wish to view and from the Quick Actions menu select View.

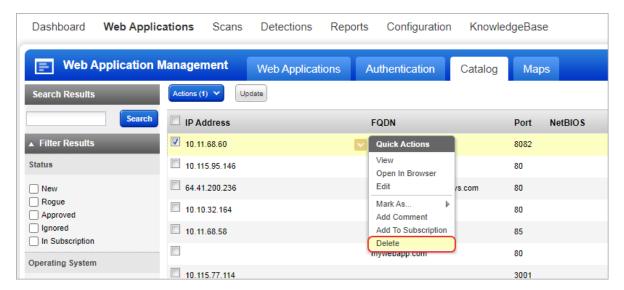


WAS Web Application Scanning

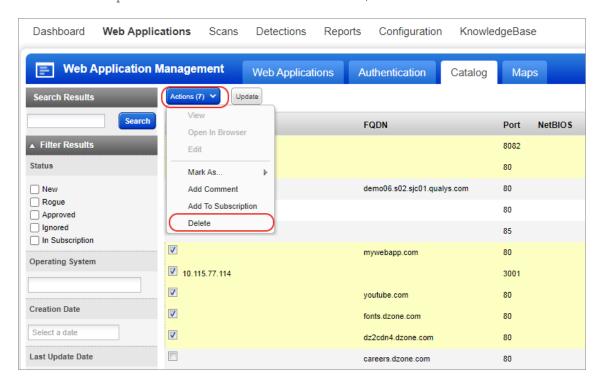
Delete Catalog Entries

You can now delete catalog entries in the Web Applications > Catalog. Catalog entries are web applications discovered by maps and/or vulnerability and WAS scans in your account.

To delete one or more catalog entries, go to Web Applications > Catalog and select an entry and from the Quick Actions menu, click Delete.



OR select multiple entries and from the Actions menu, click Delete.



Web Application XML Report to Show More Information for BURP Findings

Web application reports in XML format will now show more information for BURP findings under GLOSSARY > BURP_TYPE_CODE_LIST > TYPE_CODE element.

Depending on the number of findings, the report may have one or more <TYPE CODE> elements under <BURP_TYPE_CODE_LIST>. A TYPE_CODE element will contain information about severity, category, title, description, and solution for BURP findings.

```
<GLOSSARY>
     <BURP TYPE CODE LIST>
         <TYPE CODE>
             <TYPE CODE>5243392</TYPE CODE>
             <SEVERITY>1</SEVERITY>
             <CATEGORY>Confirmed Vulnerability</CATEGORY>
             <TITLE>SSL cookie without secure flag set</TITLE>
             <DESCRIPTION><![CDATA[<p>If the secure flag is set on a c
             trivially intercepted by an attacker monitoring network to
              attacker may be able to induce this event by feeding a us-
             HTTP, an attacker may be able to use links of the form ht
>To exploit this vulnerability, an attacker must be suitably positioned
public Wi-Fi, or a corporate or home network that is shared with a com
plication's hosting infrastructure could also perform this attack. Note
             <SOLUTION><![CDATA[<p>The secure flag should be set on al
             the application that are accessed over HTTPS should emplo-
         </TYPE CODE>
          <TYPE CODE>
             <TYPE CODE>5243648</TYPE CODE>
              <SEVERITY>5</SEVERITY>
              <CATEGORY>Potential Vulnerability</CATEGORY>
              <TITLE>Cookie scoped to parent domain</TITLE>
              <DESCRIPTION><![CDATA[<p>A cookie's domain attribute deter
              able to access the cookie via JavaScript. If a cookie is
              contains sensitive data (such as a session token) then the
              <SOLUTION><![CDATA[<p>By default, cookies are scoped to tl
              scope, which is safe and appropriate in most situations.
              that domain and its subdomains, and confirm that you are
         </TYPE CODE>
          <TYPE CODE>
             <TYPE CODE>7340288</TYPE CODE>
              <SEVERITY>2</SEVERITY>
              <CATEGORY>Potential Vulnerability</CATEGORY>
              <TITLE>Cacheable HTTPS response</TITLE>
             <DESCRIPTION><![CDATA[<p>Unless directed otherwise, browse
             sensitive information in application responses is stored
             <SOLUTION><![CDATA[<p>Applications should return caching
             caching for relevant paths within the web root. Alternation
             return the following HTTP headers in all responses contain
```

Malware Detection module name changed to Web Malware Detection

We have changed the name of the Malware Detection module in the module picker from Malware Detection to Web Malware Detection. The icon of the module in the module picker will remain same.





Tagging Permissions

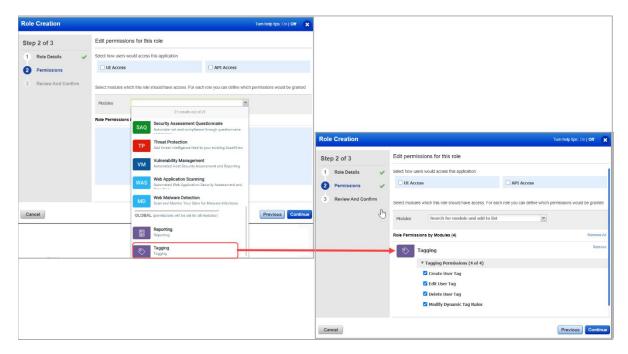
We have now moved the Tagging permissions under the GLOBAL section in the Administration (Admin) module. You can now enable Tagging permissions for more than one module simultaneously.

Using the Tagging permissions, you can:

- Create User Tags
- Edit User Tags
- Delete User Tags
- Modify Dynamic Tag Rules

The tagging permissions differ as per the user role.

Note: This change does not affect the existing Tagging permissions.



Issues addressed in this release

Qualys Cloud Platform 3.1 brings you many more improvements and updates.



AssetView

- Fixed an issue where the "operatingSystem.architecture" search query was not working.
- Fixed an issue where the "lastComplianceScanDate" search query was not populating correct results.
- Fixed an issue where dynamic tags were not being re-evaluated automatically even when the ""Re-evaluate rule on save"" option was selected.
- Depending on the type of scan executed for the asset, the Activity column indicates either the VM scan date or the compliance scan date. If both the scans are executed, we list two dates: VM scan date and Compliance scan date.



VMDR Vulnerability Management

- Fixed an issue where the last activity date was incorrectly displayed under the Vulnerabilities tab of VMDR.
- Fixed an issue where the Port number was not included in the CSV file downloaded from the Vulnerabilities tab of VMDR.
- Fixed an issue where you were incorrectly navigated to the KnowledgeBase page when you tried to navigate to Policy Compliance from the new VM Dashboard using the module picker.

CA

Cloud Agent

- Fixed an issue to reduce a significant time for downloading agent list report.
- Fixed an issue where, when creating an activation key via version 1 was showing OTHER_ERROR in the response.
- Fixed an issue where API calls to endpoint qps/rest/1.0/search/ca/agentactkey was showing OTHER_ERROR in the response.
- Fixed an issue where Host List API response was showing inappropriate data for EC2_INSTANCE_ID.
- Fixed an issue where agents count sorting under the Activation Key tab was not working.
- Fixed an issue where partial activation of agent provisioned just before auto-activation job.
- Fixed an issue where status chirp was failing with response code 500.

WAS

Web Application Scanning

- We have fixed an issue where comments in the comments section for the Catalog Entry was not shown. After the fix, you will be able to see the comments in the comments section properly for the Catalog Entry.
- We updated the help tip for scan name in the WAS online help to inform users to avoid using special characters in the scan name.
- We fixed an issue where an error was shown when the user was trying to launch a
 scheduled web application report using the Launch Now option. To fix the issue, we have
 added Schedule Report related permissions to the Manager role. Existing users need to
 add these permissions manually to the Manager role and set the "Create report"
 permission in the category "Reporting" for the user.
- We have fixed an issue where the scan reports were not showing correct data for some fields in the report. After the fix, the scan reports are showing correct data in all the fields.
- We fixed an issue where scheduled scans for web applications were skipped. After the fix, the scheduled scans are launched successfully.
- We fixed an issue where the WAS Engine version was not getting updated after the scan
 was completed. Hence, the user was shown an older version of the scan engine in the
 Help > About section. After the fix, the WAS Engine version will be updated in every scan
 processing if the WAS Engine is the later version than the version in the WAS settings.
- We removed the External Reference section form the scan report.
- We fixed an issue where on the bookmark panel, some bookmarks were not showing the names of the bookmarked sections in the WAS scan PDF reports. After the fix, WAS scan PDF reports show the names of all the bookmarked sections in the bookmark panel.
- We fixed an issue where an External Reference for one or more findings, added using Detections > Detection List > Actions > External References, was replaced when a second External Reference for the findings was added and saved. You can now add multiple external references. And we now show an error message if the user tries to add more than 10 external references for one or multiple findings.
- We fixed an issue where the users were not able to set IPs as DNS override using the Configuration > DNS Override > New DNS Override option. After the fix, you can now add any IP from 0.0.0.0 to 255.255.255.255 as DNS Override from both WAS UI and API.
- We fixed an issue where when the severity level was updated either for a finding from the Detections tab or for a QID from the KnowledgeBase, the changes were not reflecting on the Scan and the Web application reports in the HTML/PDF format. The reports were not showing the new severity levels set for the finding or the QID. After the fix, any changes made to the severity level of the findings or QIDs are reflecting in the reports.
- We fixed an issue where the user was getting an error message when saving the edited proxy settings for the web applications. You can now edit the proxy settings for web applications and save them successfully.

MD

Web Malware Detection Services

• We fixed an issue where the user was unable to update the Web application from the Web Malware Detection module when Malware monitoring is enabled in WAS. You can now update the Web application from the Web Malware Detection module when malware monitoring is enabled

Qualys Cloud Platform

- Fixed an issue where the VM icon was displayed when providing role permissions to the Threat Protection module.
- We have now fixed an issue where non-Gov Cloud regions were incorrectly displayed. The Gov cloud connectors now correctly display only Gov cloud regions that are enabled.
- Fixed an issue to improve the performance of the Purge Rule UI.