



# WAS - Web Application Scanning 4.9

## Release Notes

This new release of the Web Application Scanning (WAS) 4.9 includes improvements to global settings and Web Application enhancements. Looking for our user guides? Just log in to your account and go to Help > Resources.

### Feature highlights for Qualys WAS 4.9

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## New Global Settings for Crawl Exclusion Lists

Want to allow or block IPs, URLs from being scanned at a global level?

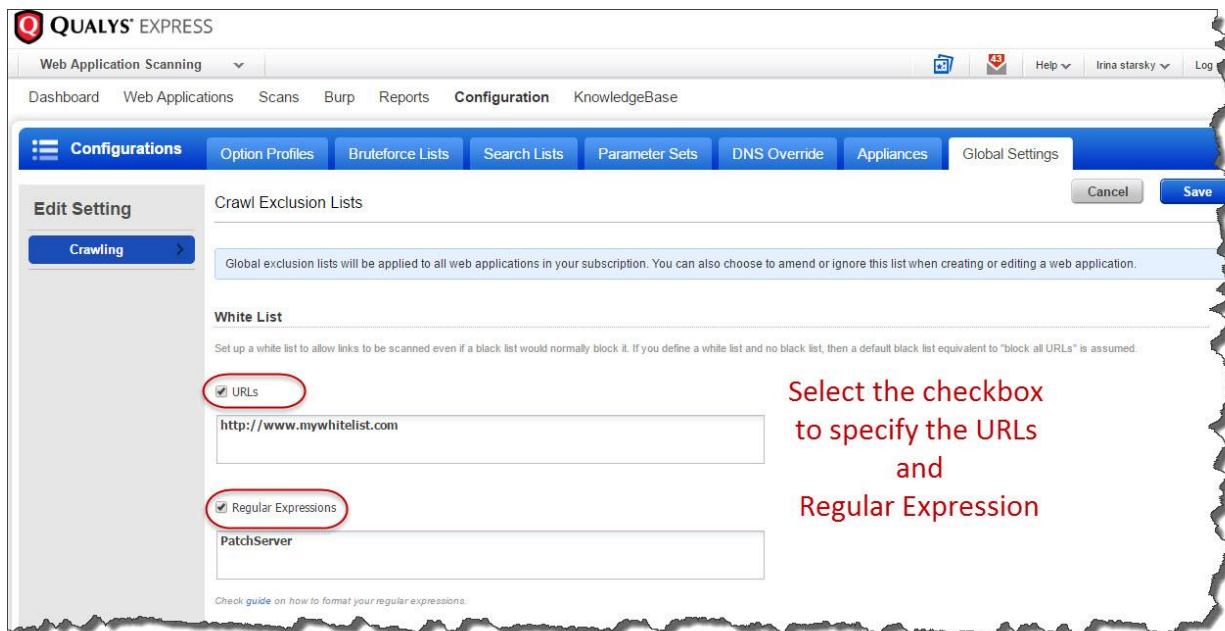
You can now configure what should be allowed or blocked from scanning. The new options in Global Settings allow you to define crawl exclusion list for the entire subscription (all web applications).

Go to Configuration > Global Settings > Crawling and view the global settings configured.

Click Edit to configure the crawl exclusion list. You can specify URLs, regexes or IPs (specific IPs or a range of IPs or a subnet) to be included or excluded from scanning. Select the checkbox to specify the details.

The screenshot displays the Qualys Express web interface for configuring Crawl Exclusion Lists. The main navigation bar includes 'Web Application Scanning', 'Dashboard', 'Web Applications', 'Scans', 'Burp', 'Reports', 'Configuration', and 'KnowledgeBase'. The 'Configuration' section is active, showing a sub-menu with 'Option Profiles', 'Bruteforce Lists', 'Search Lists', 'Parameter Sets', 'DNS Override', 'Appliances', and 'Global Settings'. The 'Global Settings' page is titled 'Edit Setting' and features a 'Crawling' sub-tab. The configuration is split into two sections: 'White List' and 'Black List'. In the 'White List' section, the 'URLs' and 'Regular Expressions' checkboxes are checked. The 'URLs' field contains the text 'http://www.mywhitelist.com' and the 'Regular Expressions' field contains 'PatchServer'. A link to a 'Check guide on how to format your regular expressions' is provided. In the 'Black List' section, the 'IPs' checkbox is checked, and the 'IP List' field contains '192.167.2.34'. The 'URLs' and 'Regular Expressions' checkboxes are unchecked. The interface includes a 'Cancel' button and a 'Save' button at the top right of the configuration area. The footer of the page reads 'POWERED BY QUALYS' and 'About | Terms of Use | Support'.

White List implies the list of items to be included in the scan.



Similarly, you can also configure the following for all web applications at one go:

Black List (list of items to be excluded from all scans),

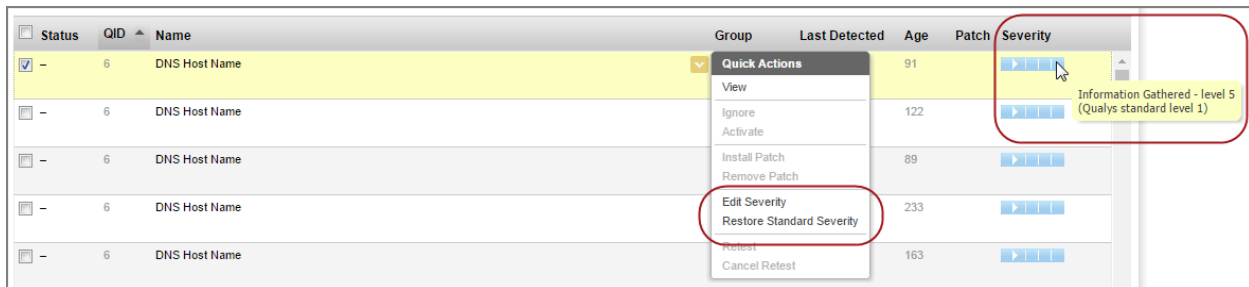
POST Data Black List (regular expression for URLs to be blocked from form submission),

Logout Regular Expression (regular expression to identify the logout links you want to exclude from scanning).

## Vulnerability Severity Customization for Information Gathering Findings

You now have the ability to customize the vulnerability severity of information gathering findings reported in your web applications.

You can easily specify comments for every change and actions are logged to track changes made on the severity level. The mouse-over shows what the Qualys severity level of the finding was prior to being updated. The severity level change has an impact on the dashboard stats, web application reports and when viewing detections.



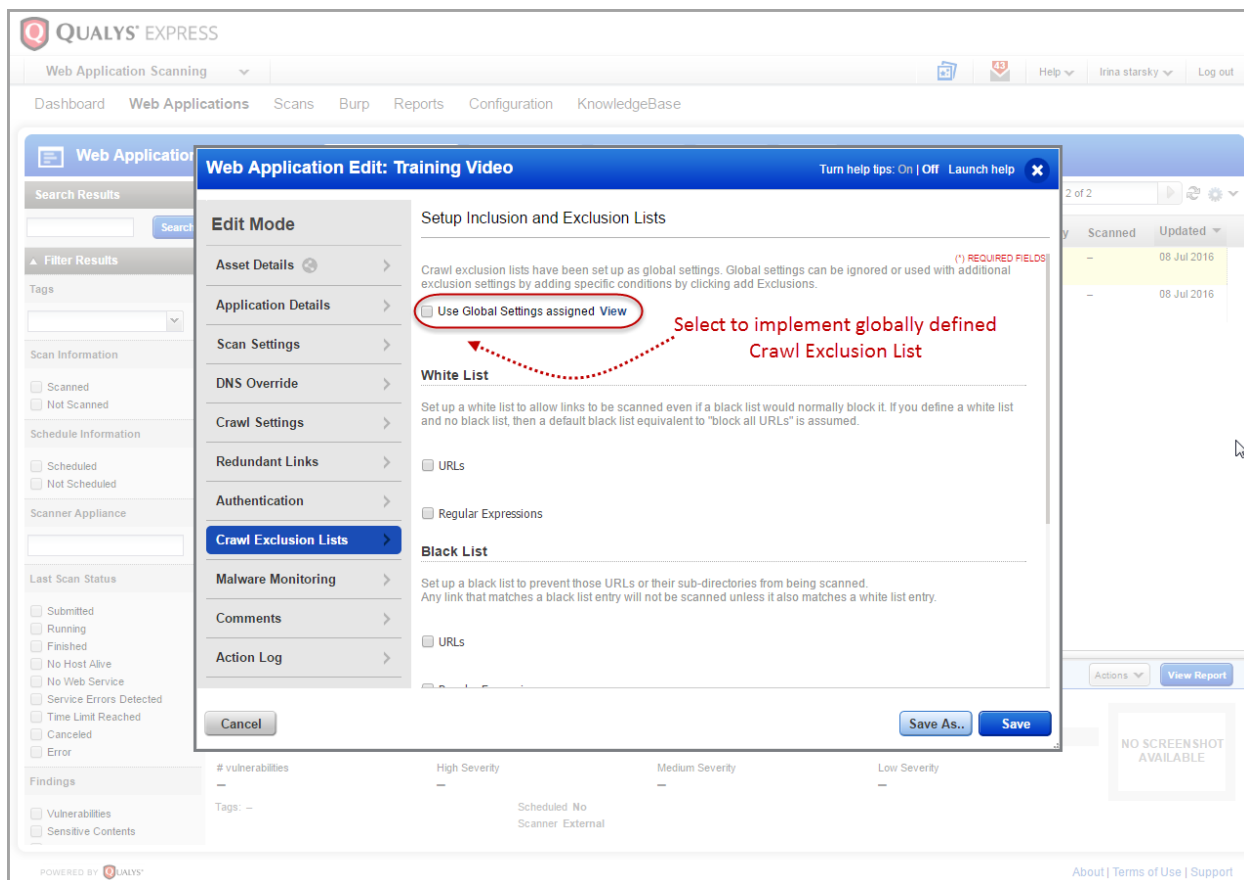
Status	QID	Name	Group	Last Detected	Age	Patch	Severity
<input checked="" type="checkbox"/>	6	DNS Host Name			91		Information Gathered - level 5 (Qualys standard level 1)
<input type="checkbox"/>	6	DNS Host Name			122		
<input type="checkbox"/>	6	DNS Host Name			89		
<input type="checkbox"/>	6	DNS Host Name			233		
<input type="checkbox"/>	6	DNS Host Name			163		

Simply navigate to Web Applications > Detections and select Edit Severity from the quick actions menu for the desired vulnerability. Here you can choose to increase or decrease the severity of the finding. Click Restore Standard Severity to revert to the Qualys standard severity level.

## Crawl Exclusion List for a Web Application

You can also define the crawl exclusion list for exclusive for the web application. You can chose to implement the globally defined crawl exclusion list or customize the crawl exclusion list for the web application.

Edit the web application to configure the URLs and regexes to be included or excluded from scanning.



Select the required checkbox to specify the details. You can define:

White List (items to be included in the scan)

Black List (items to be excluded from all scans),

POST Data Black List (regular expression for URLs to be blocked from form submission),

Logout Regular Expression (regular expression to identify the logout links you want to exclude from scanning).

If you define crawl exclusion list for a web application and also enable the global settings for crawl exclusion list, the globally defined settings are implemented for the web application.

## Exclude Links from Crawling

You can now define the logout links to be excluded from scanning by specifying the logout regular expression details while creating or updating the web application.

The screenshot displays the Qualys Express interface for editing a web application. The main content area is titled "Web Application Edit: Training Web Application". On the left, there is a sidebar with "Edit Mode" and various configuration categories like "Asset Details", "Application Details", "Scan Settings", "DNS Override", "Crawl Settings", "Redundant Links", "Authentication", "Crawl Exclusion Lists", "Malware Monitoring", "Comments", and "Action Log". The "Crawl Exclusion Lists" section is expanded, showing options for "URLs", "Regular Expressions", "POST Data Black List", and "Logout Regular Expression". The "Regular Expressions" checkbox is checked and circled in red. A red arrow points from this checkbox to the "Logout Regular Expression" field, which contains the text "Leave". Next to the arrow, the text "Specify logout regular expression" is written in red. The "Logout Regular Expression" section includes a description: "Set up a regular expression to identify logout link. This link will not be crawled by WAS scanner". At the bottom of the configuration area, there are "Cancel", "Save As..", and "Save" buttons. The top navigation bar includes "Web Application Scanning", "Dashboard", "Web Applications", "Scans", "Burp", "Reports", "Configuration", and "KnowledgeBase".

If you do not explicitly specify the links to be excluded from crawling, the default logout regular expression is applicable.

## Reporting Enhancements

### Compare scan report results for Information Gathering

You can view comparative analysis of changes in scan results between incremental scan reports.

Simply navigate to the Information Gathered section in a scan report. When you expand the Results section you can see the changes from previous scans highlighted in multiple colors. Disable the Highlight changes from the previous scan option to hide the comparative analysis. By default this option is enabled.

**Information Gathered Details**

150021 Scan Diagnostics

Finding #	448615* (38800926)	Web Application	API test for rdt and comment
Group	Information Gathered	Authentication	Not Used
CWE	-	Detection Date	20 Jul 2016 7:15PM GMT+0530
OWASP	-		
WASC	-		

Details [Show](#)

Results

Highlight changes from previous scan

- New - this link was not found in the previous scan
- Modified - this result was found by the previous scan but its value was different
- Removed - this link was not found, but was reported in the previous scan

Loaded 0 blacklist entries.  
Loaded 0 whitelist entries.  
HTML form authentication unavailable, no WEBAPP entry found  
Collected 2 links overall.  
Total requests made: 24  
Average server response time: 0.70 seconds  
Most recent links:  
First column indicates HTTP response code,  
Special cases:  
-TO: The request timed out  
-CE: The request did not complete due to connection error):  
403 https://10.11.69.21/WAS-2930/redundantLinks/  
404 https://10.11.69.21/WAS-2930/redundantLinks/mobile#20  
404 https://10.11.69.21/favicon.ico  
Collected 1 links overall.

[Export...](#)