Qualys WAS 4.6 New Features

We welcome some long awaited exciting new features with WAS 4.6. They are encompassed in what we call SmartScan. SmartScan allows for enhanced and advanced scanning of AJAX heavy web applications along with enhanced support for Single Page Applications (SPA) and also advanced frameworks such as AngularJS and bootstrap. We also are introducing enhanced support for Google Web Toolkit (GWT) and Direct Web Remoting (DWR) as well.

Please note that this is our first phase and limited release of these new features and capabilities. We will be releasing many enhancements to this SmartScan in upcoming WAS versions including, but not limited to; enhanced JSON formatted data testing, enhanced URL rewriting support along with additional framework support.

*SmartScan will be available in limited release only for the first phase of deployment and will only be available upon request from Technical Account Managers (TAMs). This feature will require approval. Minimum dependencies are WAS 4.6, Portal 2.12 and Engine 3.15.

With this release we are also introducing additional sitemap reporting functionality as well as various bug fixes.

Feature Highlights:

- **Introduction of SmartScan**
- **Enhanced Sitemap Reporting**
- **Enhanced Option Profile Scope Selection**

SmartScan

SmartScan allows for enhanced and advanced scanning of AJAX heavy web applications along with enhanced support for Single Page Applications (SPA) and also advanced frameworks such as AngularJS and bootstrap. We also are introducing enhanced support for Google Web Toolkit (GWT) and Direct Web Remoting (DWR) as well.

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Option Profile Create Dialog

When creating a new profile, if the SmartScan option has been enabled for the customer, the *Scan Parameters* step will display a new section SmartScan Support, that will explain to user what the feature is about and will propose a checkbox to enable the feature.

If the user checks the option, an additional setting *SmartScan Depth* will be displayed, with some explanation of the role of that setting. The default value for that setting will be set to **5**.

The *Review And Confirm* step will display the options selected by user:

- If user enabled the option:

- If user left the option disabled:

Option Profile View Dialog

Just like the review step, the *Scan Parameters* step in option profile View dialog will display the values selected for the SmartScan options.

- If user enabled the option:

- If user left the option disabled:

Option Profile Edit Dialog

The same step will be available, but this time with the *Enable SmartScan Support* checkbox checked if the option has been previously enabled. In this case, the *SmartScan Depth* setting will also be displayed, with proper value already set for the profile.

Option Profile Save As

The SmartScan settings will be also copied over when a user performs a Save As action from the datalist or from the option profile view/edit dialogs.

Existing Profiles

All existing profiles will have the *Enable SmartScan Support* option disabled by default. The *SmartScan Depth* value will be set to 5.

Enhanced Sitemap Reporting

WAS 4.6 now allows the customer the ability to download all URLs for a site via the Sitemap feature and not have to navigate to each branch of the sitemap individually.

Web Application / Scan Sitemap Dialog

The dialog used to display the sitemap for scans and web applications will have a new Export Sitemap button now always enabled.
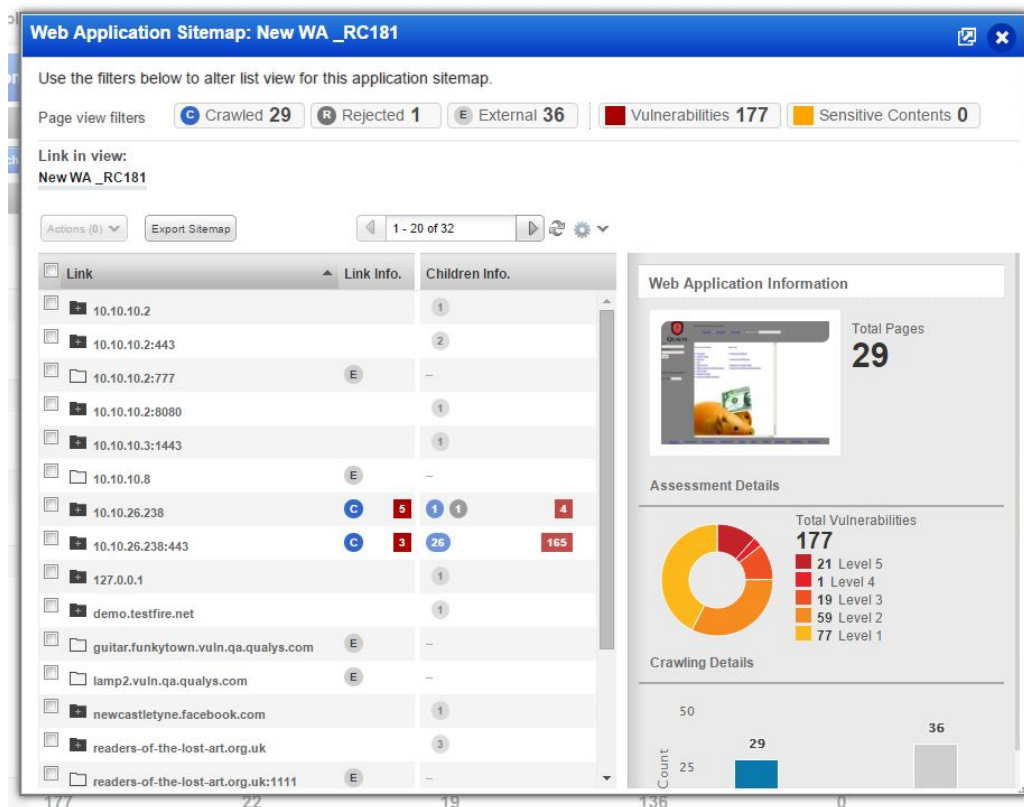
Upon clicking, an Export Sitemap Links dialog will be displayed, proposing to the user the format to be used to download the sitemap links.

The format and timezone fields selected by default will depend on user preferences as set in their profile.
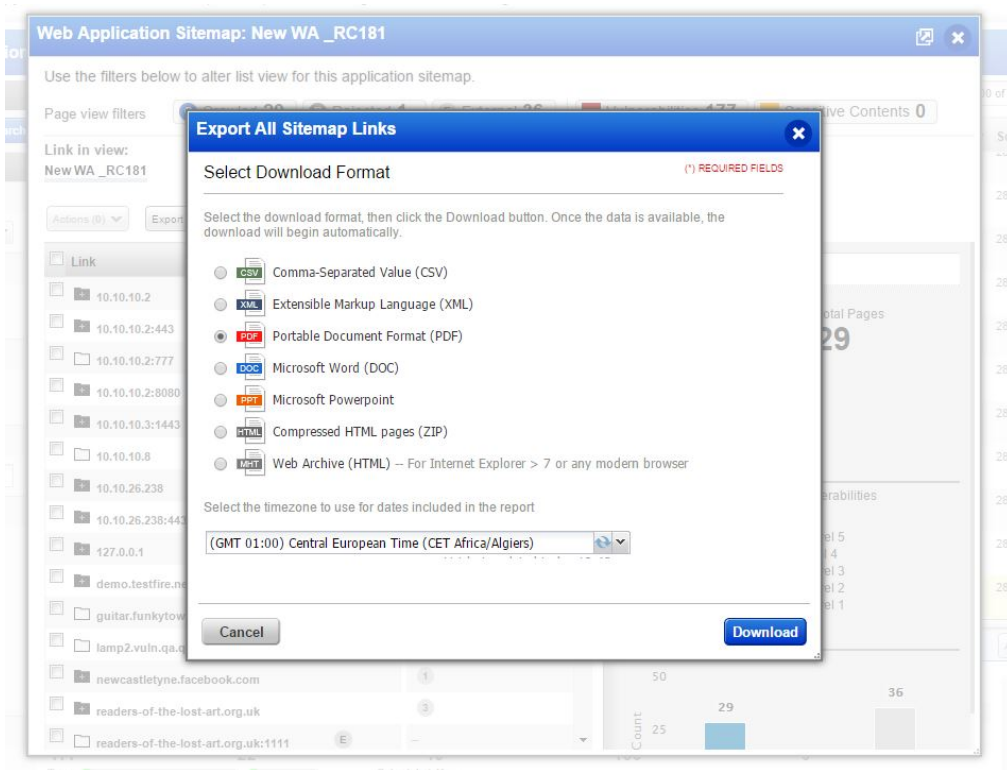
Format of the downloaded contents is the same when downloading current page, the only difference is that this time all the links will be downloaded with their absolute path.

Columns will therefore be:

Columns	Description
Link	Link absolute URL
Status	**CRAWLED, REJECTED, EXTERNAL.** There may be no status for links where vulns have been detected, but these links have not been marked as crawled.
# Sensitive Contents	Number of sensitive contents found in this link
# Vulnerabilities	Number of vulnerabilities found in this link
External links	Number of external links found "under" this link
Crawled links	Number of crawled links found "under" this link
Rejected links	Number of rejected links found "under" this link
Links Sensitive Contents	Number of sensitive contents found under this link
Links Vulnerabilities	Number of vulnerabilities found under this link

Enhanced Option Profile Scope Selection

When creating or editing an Option Profile, under Search Criteria -> Detection Scope; if we choose "Custom" previously an error message implied that a user must enter an "include" search list. You could have still entered an "exclude" search list to exclude only, but the location of this error message was confusing. We have corrected and enhanced this functionality.

Option Profile Dialog

The Search Criteria > Detection Scope section has been updated as follows:

- Text has been added to introduce to user the option.

- A Detection component has replaced the "*focus the scan to specific vulnerabilities*", and proposes the options Complete vs. Custom as a drop down element instead of radio buttons.

In Creation mode, the option selected by default is Complete.

In both creation and edit mode, when the user selects Custom, the following elements are displayed below the Detection component:

- The search lists to include
- The search lists to exclude
- An additional text message above the search lists to exclude, that explains how the excluded search lists will be used

If the user clicks the Next button, the validation is performed, and if no search lists have been selected:

- The 2 search lists components are highlighted in red
- An error message is displayed on top of search lists to include component to request user to specify at least one search list

By selecting at least one search list, the error message is removed and the two search lists are be marked as valid.