



RELEASE NOTES

Version 5.2.8

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Contents

1. About Compliance Sheriff	1
2. Version 5.2.....	2
Issues fixed in v5.2.8	2
Issues fixed in v5.2.7	4
Issues fixed in v5.2.6	4
Issues fixed in v5.2.5	5
Issues fixed in v5.2.4	5
Issues fixed in v5.2.3	5
Issues fixed in v5.2.2	6
Issues fixed in v5.2.1	7
Enhancements released in v5.2.1	8
Enhancements released in v5.2	8
3. Version 5.1.....	10
Issues fixed in v5.1.4	10
Issues fixed in v5.1.3	11
Issues fixed in v5.1.2	14
Enhancements released in v5.1.2	15
Issues fixed in v5.1.1	16
Enhancements released in v5.1.0	16
4. Version 5.0.....	17
Enhancements released in v5.0	17
Issues fixed in v5.0	22
5. Installation and upgrade.....	24
Considerations and known limitations	24
Compatibility.....	24
Impacts on other products and features	24
6. New and modified checkpoints.....	25
Mobile module.....	25

1. About Compliance Sheriff

Compliance Sheriff™ is Cryptzone's content-aware compliance automation solution. It enforces corporate guidelines and standards within websites, intranets, extranets, web applications and social computing sites to stay ahead of the explosion of content. Compliance Sheriff provides users with a means to monitor online content for potential compliance issues across digital environments – keeping information safe, appropriate and within regulatory guidelines. Compliance Sheriff automates content compliance to address a wide range of Web governance issues including Web accessibility, privacy, site quality and brand integrity.

As the solution scans and identifies areas of risk or detects specific policy violations, automated email notifications alert site administrators and any other manager affected by the specific content – accessibility managers, privacy officers, marketing managers, etc. – to potential issues so they can be addressed quickly.

Designed to work in conjunction with Compliance Sheriff, Compliance Deputy is an on-demand browser-based solution that allows developers and content providers to test and repair content prior to publishing in the production environment. It leverages the checkpoints and rules designed in Compliance Sheriff to test page content as it's created to ensure only compliant content is published to live sites. Address Web governance issues including privacy factors like personally identifiable information (PII) and protected health information (PHI), Web accessibility, site quality, offensive content and more. Compliance Deputy is a browser-based application, making it simple to roll-out to a large number of content developers.

2. Version 5.2

Issues fixed in v5.2.8

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.5.

Area	Changes
SQL Server and Windows Server Support	<p>SQL Server 2016 officially supported</p> <p>Refer to installation guides (see Section 7) for all details of operating systems, system software, and web browsers supported by Compliance Sheriff v5.1 and Compliance Deputy v5.1 and above.</p> <p>SQL Server 2008, Windows Server 2008 No Longer Supported</p> <p>Compliance Sheriff is no longer validated on SQL Server 2008 and on Windows Server 2008, and users are advised to upgrade their servers.</p>
Link Validation	<p>Link Validation Improvements</p> <ul style="list-style-type: none"> • Addressed multiple issues with crawling and scanning pages using anchor tags in relative links. • Improved scan performance when performing a link validation. • Addressed multiple false positives previously resulting in “Bookmark not Found” errors.
Scan Results	<p>Addressed multiple issues with scanning engine resulting in false positives</p> <ul style="list-style-type: none"> • G18 Checkpoint properly evaluating if text is bold. • C12 Checkpoint properly reporting results when font size is defined in body element. • Addressed issues converting a non-HTML based file to HTML for scanning purposes.

Area	Changes
User Interface	<p>Multiple improvements in the Compliance Sheriff User Interface</p> <ul style="list-style-type: none"> • Addressed issue so Input fields will accept special characters including ! and " characters • General performance improvements when navigating the Compliance Sheriff User Interface. • Ability to use page filter addressed when view contains pdf results. • Lists are now displayed alphanumerically when assigning permissions for scans. • Improved error messaging when interacting with Compliance Sheriff. • Improved Security Enhancements on System Configuration Page.
Client Side Tools	<p>Compliance Deputy and Local Scan Agent Improvements</p> <ul style="list-style-type: none"> • Addressed multiple issues with Compliance Deputy and the Local Scan Agent to improve scan performance and ensuring consistent scan results. • Addressed issue with Local Scan Agent scanning local files on client.
Transaction Scripts	<p>Improvements for Transaction Scripts</p> <ul style="list-style-type: none"> • Addressed issue enabling the use of the “testing off” and “testing on” commands • Scan progress is now correctly reported when using a transaction script
Language Support	<p>Additional language dictionaries not consistently used in Checkpoints</p> <p>The language dictionaries used by Checkpoints have been updated. Also addressed issues to ensure correct language dictionaries are used when performing spellchecks.</p>
API Changes	<p>Modified API methods as follows:</p> <ul style="list-style-type: none"> • GetResultsSummary and GetResultsFull: Both methods are now able to return past run data, including previous health scores. • GetAllRunsForScan: Method has been updated to return a more complete set of data.

Issues fixed in v5.2.7

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.6.

Area	Changes
System Usage Improvements	<p>User Interface Performance Improvements</p> <p>Minor improvements to scan creation methods, including user interface refresh rates and transaction script test commands. Some system performance improvements.</p> <p>Note: In past versions, a property called “BulkInsert” was used to adjust system performance. This property is no longer used by Compliance Sheriff.</p>

Issues fixed in v5.2.6

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.6.

Area	Changes
Performance and System Usage Improvements	<p>Scan Performance Improvements</p> <p>Improvements to server components reduce memory and CPU utilization while scans are running.</p>
Summary Report and View Improvements	<p>Incremental software improvements for customer-specific issues.</p>

Issues fixed in v5.2.5

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.5.

Area	Changes
Updated Dynamic Scanning Engine	<p>Updated the underlying Chromium Embedded Framework (CEF)</p> <p>Bringing the underlying Chromium software up to the most recent possible libraries improves support of more recent browser technologies and solves many problems related to the Compliance Sheriff dynamic scanning engine crawling through web properties and its ability to render and scan specific types of web content.</p>
Customer Advisory: Check Dynamic Content Scanning Settings	<p>Set the Dynamic Scanning Engine Configuration Setting to “All Pages”</p> <p>In order to accurately scan dynamic or scripted web content, the dynamic scanning option must be set to “All Pages”. This setting is recommended for all applications.</p>

Issues fixed in v5.2.4

Version 5.2.4 has been superseded by v5.2.5 and is not a generally available released version.

Issues fixed in v5.2.3

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.3.

Area	Changes
Transaction Script Repairs	<p>Scan did not crawl properly after a transaction script completes</p> <p>The Dynamic Scanning Engine has been updated to properly crawl through links after a scan’s transaction script has completed.</p>
Repairs to Dynamic Scanning Engine Crawling Methodology	<p>Scan does not stay within selected domain</p> <p>The Dynamic Scanning Engine occasionally encountered and crawled through external domains. This has been corrected. Compliance Sheriff scans will stay within the designated domain.</p> <p>Note: Subdomains will continue to be scanned, and if that is not desired, they can be entered into the exclude URL list in the scan definition.</p>

Issues fixed in v5.2.2

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.2.

Area	Changes
Deputy	<p>Occasional Compliance Deputy score discrepancy</p> <ul style="list-style-type: none"> In specific cases, the Compliance Deputy showed fewer less errors or different results than scans initiated by the Compliance Sheriff server (scheduled or on demand). Compliance Deputy has been improved to ensure that web content is rendered and scanned consistently with the Compliance Sheriff server. Note: This functionality requires the Dynamic Scanning Engine
Scan summary	<p>Health % dialog and scan summary showing incorrect count</p> <ul style="list-style-type: none"> Issue was found on the UI display only, not affecting the underlying health % calculation. This calculation has been corrected.
Dynamic content (new installations only)	<p>Default dynamic content scanning option set to “All Pages”.</p> <ul style="list-style-type: none"> For new installations, the default dynamic content scanning option is set to “All Pages”. This encourages use of the dynamic content scanning option to get more accurate scan results. For an upgrade, previous selected settings will be applied. Note: In order to accurately scan dynamic or scripted web content, the dynamic content scanning option must be set to “All Pages”. This setting is recommended for all applications.
Color contrast	<p>Too many false positives for color contrast</p> <ul style="list-style-type: none"> Compliance Sheriff no longer reports many false positive WCAG color contrast failures that are on anchor elements. “False positives” are issues that are incorrectly reported by the scanning engine. Note: This functionality requires the Dynamic Scanning Engine

Area	Changes
Transaction Script “Scan Diagnostic Tool”	<ul style="list-style-type: none"> • User guide is updated with the new “Scan diagnostic tool” section under Reference information. • This tool is useful when debugging transaction script that uses screen rendering. • Note: Firefox version 55 has introduced changes that cause the Selenium IDE recording tool to cease functioning. Compliance Sheriff transaction scripts continue to work properly, but the ability to record and paste scripts into Compliance Sheriff relies upon the Selenium IDE tool. This new diagnostic tool helps users debug transaction scripts that have been typed into the Compliance Sheriff scan definition.

Issues fixed in v5.2.1

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.2.1.

Area	Changes
Deputy	Issue with Firefox, Chrome and Safari browsers <ul style="list-style-type: none"> • Issue with loading the config file and scans being aborted with Firefox, Chrome and Safari browsers due to the changes in browser API. Issue has been fixed.
Views	View not deleted if Pages section has filter value <ul style="list-style-type: none"> • Views not deleted when Pages section has filter value. Issue has been fixed.

Enhancements released in v5.2.1

The following enhancements were released in Compliance Sheriff and Compliance Deputy in v5.2.1.

Area	Changes
Scan performance	<p>Scan performance improvement</p> <ul style="list-style-type: none"> Enhancement improves the scan performance, in particular when writing to the database.
Scan Results	<p>Enable JavaScript option available on scan results page</p> <ul style="list-style-type: none"> Enable javascript option is available on every scan results page. This option can be selected or unselected to view the results based on the website content. This is an enhancement to the Allow script option available under ShowInstances.aspx in the web folder, which needs to be updated based on the website content, which can vary from site to site.

Enhancements released in v5.2

The following enhancements were released in Compliance Sheriff and Compliance Deputy in v5.2. Please review these changes before installing or upgrading. Refer to the installation guides for more information.

Area	Changes
Scans	<p>Pause and resume scans</p> <ul style="list-style-type: none"> Pause a running scan and view the scan results. Resume any paused scan. Not available with scan groups. Not available for scans with multiple start pages (stop only).
Scan results	<p>Export scan results</p> <ul style="list-style-type: none"> Export scan results from Views tab to CSV, incorporating the options selected for the view, such as failures/warnings or priorities. Exported CSV data is sorted based on the 'Group by:' option selected while creating a view.

Area	Changes
Customer data	<p>SQL database</p> <ul style="list-style-type: none"> Selected customer data is now managed from a secure SQL database instead of the file system. Some items (dictionaries, license) are still stored in customer data folder. This feature makes customer data more secure and easier to maintain. When upgrading to v5.2, restart the Controller service to move all old data from the customer Data folder to the SQL customer database. Scan definition and custom checkpoints from other v5.1.x installations can also be copied from a v5.1.x customer Data folder into the v5.2 customer Data folder. Restart the Controller service to move the new data to the SQL database. When the old data is moved to SQL, an 'Archive' folder is created to save the old data in case of any issue with an upgrade.
UI Performance Improvement	<p>UI performance improvement on Scans/Views tab</p> <ul style="list-style-type: none"> This will display the list of Scans/Views faster when the list is very big. Opening Scan definition is also improved.
Color contrast changes	<p>Support for RGBA, HSL and HSLA values</p> <ul style="list-style-type: none"> Compliance sheriff used to ignore the color values defined using RGBA, HSL or HSLA which was giving false positive results. There is an enhancement done to handle these values to avoid the false positive results.
Checkpoint	<p>New checkpoint functions</p> <ul style="list-style-type: none"> <u>For each result:</u> This new function is available in the drop down list while creating/editing a checkpoint. This iterates through all the results of the checkpoint. <u>If result text:</u> To be used after "For each result" – allows you to match the value of the returned results/errors from the checkpoint.

3. Version 5.1

Issues fixed in v5.1.4

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.1.4.

Area	Changes
Result Revision Wizard	Track and manage progress <ul style="list-style-type: none"> User can update the message in Result Revision Wizard by toggling between the results, first to enable the message column, and then edit the comments.
Scan results	Scan results being overwritten <ul style="list-style-type: none"> Updated scan results overwritten when no source update has occurred. Issue is fixed.
Views	Incorrect stacked view <ul style="list-style-type: none"> Issue is fixed.
Dashboard	Scrolling a dashboard view closes the view <ul style="list-style-type: none"> Scrolling to the top of view list on a dashboard view can activate the close view (X) button and remove the view from the dashboard. Issue is fixed.
Deputy	Compliance Deputy score discrepancy <ul style="list-style-type: none"> Compliance Sheriff gives a higher score or notes less errors than Compliance Deputy. Issue is fixed.
User audit logs	Improvements <ul style="list-style-type: none"> Failed login message displays unauthorized username. Details of Modify/Delete action are recorded.

Area	Changes
Sorting	Improvements <ul style="list-style-type: none"> • Issue with sorting on Checkpoint tab is fixed. • Sort available on Revision Wizard columns.
Transaction Script	Script doesn't work when Continue button is enabled through JavaScript <ul style="list-style-type: none"> • Where the Continue button is enabled through JavaScript after selection of some options, Compliance Sheriff doesn't get the page source again--- only the page source with the Continue button disabled is scanned. Issue has been fixed.
FIPS support	Scans aborted when FIPS is enabled <ul style="list-style-type: none"> • Issue is fixed.

Issues fixed in v5.1.3

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.1.3.

Area	Changes
Checkpoint	AltQuality 1.6 checkpoint issue <ul style="list-style-type: none"> • Only word "image" returned by AltQuality 1.6 checkpoint instead of the alt text string. Issue fixed.
Help Guide	Help doesn't match User Guide <ul style="list-style-type: none"> • "Dynamic content scanning option" under Scanner Settings was missing in the Help guide. Issue fixed.
Navigation	Skip Navigation link not working <ul style="list-style-type: none"> • The Skip Navigation link, which allows assistive technology and keyboard-only users to quickly bypass the navigation links, was not working. Issue fixed.

Area	Changes
Scan Results	<p>Reviewing scan results issue</p> <ul style="list-style-type: none"> • Script-generated page contents were not loaded while reviewing the scan results. Issue fixed by adding “allow-scripts” in ShowInstances.aspx by default.
Checkpoint Group	<p>Checkpoint group Issue</p> <ul style="list-style-type: none"> • Checkpoint group is no longer usable if a checkpoint that is part of that group is deleted; exception is thrown while opening the checkpoint group. Issue fixed. • Warning message updated when deleting a checkpoint.
PDF Report	<p>Compliance Sheriff report text overlaps</p> <ul style="list-style-type: none"> • PDF report text overlaps if the “Show statistics summary” option is selected while creating a view. Issue fixed.
Scan Results	<p>Report incorrectly showing background color</p> <ul style="list-style-type: none"> • Issue fixed.
Deputy	<p>Compliance Deputy score discrepancy</p> <ul style="list-style-type: none"> • Compliance Sheriff gives a higher score or notes less errors than Compliance Deputy. Issue fixed.
Safari Deputy	<p>Safari Compliance Deputy is not working</p> <ul style="list-style-type: none"> • With Safari Compliance Deputy Extension, when “Load Configuration” clicked, nothing happens. Issue fixed.

Area	Changes
Caching	<p>Unable to scan site with cached links</p> <ul style="list-style-type: none"> Issue scanning site with the JavaScript contents where links are cached and not scanned. The issue has been resolved by providing an option to enable caching. By default, caching is disabled. To enable caching, in Hiscan.config.xml, under C:\ProgramData\Cryptzone\ComplianceSheriff\customers\Cryptzone, add this line: <pre><add key="EnableCaching" value="true" /></pre>
Multiple start pages	<p>Old scans with multiple start pages not supported</p> <ul style="list-style-type: none"> Old scans can now be run with multiple start pages. Scans with multiple start pages are displayed with an orange play button instead of normal green button. Tooltip is displayed when hovering over the play button. User can view the list of start pages by expanding the scan definition. A new Start Pages tab is created when the scan has multiple start pages. This table is read-only. Scans with multiple start pages cannot be edited. An error message is displayed when the user attempts to edit and save the scan definition. New scans cannot be created with multiple start pages.
Scan Schedule	<p>Cannot filter or scan by schedule</p> <ul style="list-style-type: none"> Scheduled column added to Scans tab (for groups and scans). User can filter or sort by schedule now.
Scan Status	<p>Scan Status remains stuck in "Running" status</p> <ul style="list-style-type: none"> Issue with converting PDF to HTML resolved by updating SyncFusion assemblies.
Checkpoint	<p>Different link validation errors for SiteQuality</p> <ul style="list-style-type: none"> Error codes (e.g. E16) are updated with the HttpStatus codes

Issues fixed in v5.1.2

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.1.2.

Area	Changes
Scan results	<p>Color contrast issue</p> <ul style="list-style-type: none"> The “.button” class assigns the wrong color for the link text or button text. In the CSS, the hover color is set using “.button:hover”. Fixed.
Scan groups	<p>Scan groups log mismatch</p> <ul style="list-style-type: none"> Scan log now correctly records data when multiple scans are run for each group in a scan group. <p>“Object reference not set to an instance of an object” error</p> <ul style="list-style-type: none"> When clicking on Scan Group Log tab, “Object reference not set to an instance of an object” error occurs intermittently. Fixed.
PDF report	<p>PDF report links point to wrong location</p> <ul style="list-style-type: none"> With Firefox browser, when a PDF report is created, the links now point to the scanned web page instead of the error details page in Compliance Sheriff.
Local content	<p>Local scan only scans one page</p> <ul style="list-style-type: none"> When “Scan local content” option is selected, the Page Limit setting is ignored and only scans one page. Fixed.
Scan schedule	<p>Invalid schedule setting</p> <ul style="list-style-type: none"> Error occurs when invalid Frequency and Beginning settings are selected. Fixed.
Compliance Deputy	<p>Error when scanning page with long URL in Compliance Deputy</p>

Area	Changes
	<ul style="list-style-type: none"> • Error occurs when Compliance Deputy attempts to add long URL in Usage table. To fix this error in v5.1.2 installations (not required for earlier versions), run the following script: <pre data-bbox="673 415 1430 703"> ALTER TABLE Usage ALTER COLUMN ScanName varchar(max) NOT NULL GO ALTER TABLE Usage ALTER COLUMN BaseUrl varchar(max) NOT NULL GO ALTER TABLE Usage ALTER COLUMN Username varchar(max) NULL GO </pre>

Enhancements released in v5.1.2

The following enhancements were released in Compliance Sheriff and Compliance Deputy in v5.1.2.

Please review these changes before installing or upgrading. Refer to the installation guides for more information.

Area	Changes
UI enhancements	<p>Notifications</p> <ul style="list-style-type: none"> • The notification types are now single-selection radio buttons. <p>User Audit Logs</p> <ul style="list-style-type: none"> • User Audit Logs feature has been added, which displays all user actions in a searchable and exportable list. <p>Password expiry</p> <ul style="list-style-type: none"> • Password expiry period default is 90 days. Default can be changed by adding PasswordExpiryPeriod key and value (days) to ComplianceSheriff.config file.

Issues fixed in v5.1.1

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.1.1.

Area	Changes
PDF view	<p>Issue: Can't render PDFs while SSL turned on. Exception thrown when clicking Open PDF Report on Views tab. Occurs when SSL is turned on or when Windows authentication is used.</p> <p>Status: Issue has been fixed.</p>
Notifications	<p>Issue: Notifications not sent and error message displayed in the trace logs. Occurs when SSL is turned on.</p> <p>Error : "Detected possible replay attack, no valid session specified and not using a persistent cookie:"</p> <p>Status: Issue has been fixed.</p>
User interface	<p>Issue: Old logo is displayed on the Show Instances page when opened from any scan results.</p> <p>Status: Issue has been fixed.</p>

Enhancements released in v5.1.0

The following enhancements were released in Compliance Sheriff and Compliance Deputy in v5.1.

Please review these changes before installing or upgrading. Refer to the installation guides for more information.

Area	Changes
PDF view of	Performance improvement for scanning pages with the Universal Web Engine.
UI enhancements	Option added to edit and close views opened in 'View panel mode' on Dashboard.

4. Version 5.0

Enhancements released in v5.0

The following enhancements were released in Compliance Sheriff and Compliance Deputy in v5.0.

Please review these changes before installing or upgrading. Refer to the installation guides for more information.

Area	Changes
UI enhancements	<p>General layout</p> <ul style="list-style-type: none"> • The tab layout has been fully changed with a side panel of all the Menus displayed on the left side of every page. • This side panel can be collapsed/expanded, when collapsed only icons of the menus are displayed. • Responsive UI – which means the pages will be automatically adjusted to best suit the screen resolution. Obviously, the amount of information will not suit all devices, especially those with small screen resolutions (below tablets/iPads). <p>Dashboard</p> <ul style="list-style-type: none"> • Icons are displayed for ‘Quick Start’, ‘Add view’, ‘Print’, ‘Tab Mode’ and ‘Panel Mode’ instead of buttons. Vertical view option has been removed. • There is a limit of 20 on number of views added to the Dashboard. User is displayed with a message when tried to add 21st view. <p>Scans</p> <ul style="list-style-type: none"> • Separated into Basic and Advanced sections. The Basic section includes the Starting URL and the Checkpoint Group(s) that will be used for the scan. • Advanced options contain all the other options with the following changes/defaults: • Option for the IE Transaction script and Search functionality is added to the scans tab similar to the checkpoints tab. ‘toggle filter’ has been removed. • Searchable columns are ‘Scan’, ‘Base URL’, ‘Status for Scans and ‘Group’, ‘Status’ for Groups.

Area	Changes
	<ul style="list-style-type: none"> • Options for each scan row to have Edit [Run Stop -> toggle] Delete Schedule More options as icons • Edit scan page is displayed underneath • Advanced options layout is changed • Scan definition has search option to select the checkpoint groups. The layout is changed where user can select checkpoints groups by selecting a checkbox. • “More” options contain all previous options + Simple vs Advanced Export options • Simple Export does not prompt options. Advanced Export options as before – allows selections. • User Agents – extended to allow Resolutions to be defined to cater for Mobile content accessibility tests • Multi-start pages are no longer supported • IE transaction scripts are no longer available. Existing IE based transaction scripts will still be executed • Progress % is now displayed on the Scan status. % is based on current number of pages processed vs the page limit set in the scan definition • Scan page limit must now be > 0. • Default page limit can be set in the global configuration settings (for Quick Start scans, current default will remain as 20. If time permits, the default quick start settings will be updated to allow for the page limit to also be set. • Aborted scans can be marked as completed. ‘Mark as completed’ button is available under ‘Logs’ for aborted scans. This will enable to view the results for aborted scans. <p>Monitors</p> <ul style="list-style-type: none"> • Monitors has got the same layout as Scans tab. • Monitors definition is same as Scans definition. <p>Checkpoints</p> <ul style="list-style-type: none"> • Layout is changed as per Scans tab <p>Views</p> <ul style="list-style-type: none"> • Legacy Telerik RadCharts are replaced with new kendo-style charts. These charts are better in presentation and look.

Area	Changes
	<ul style="list-style-type: none"> Gauge control ,Pie charts, Bar charts, Line charts are replaced with the Kendo-based charting “Dashboard meter gauge” has been re-introduced <p>Summary</p> <ul style="list-style-type: none"> Scan summary layout is changed. Summary tables are displayed as tabs. <p>Settings</p> <ul style="list-style-type: none"> Deputy- Config page layout is changed to match with other tabs Quick Start- Config page layout is changed to match with other tabs System Configuration- Default page limit option is added <p>Health % Visual Aid</p> <ul style="list-style-type: none"> Health % visual aid is displayed when clicked on health % on any of the views/reports. This Visual aid provides the details of health % calculation.
Architecture	Worker and Controller are delivered as Services instead of Task agents. These agents are now viewed in the Services window.
Scan default page limit	<p>There is a new flag ‘ScanDefaultpageLimit’ to set the Scan default page limit under ‘Settings- system configuration’. Default value is ‘20’. This flag is not available for upgrade. Need to copy the below key in HiScan.config.xml under C:\ProgramData\Cryptzone\ComplianceSheriff\customers\Cryptzone to get this flag available.</p> <pre><add key="ScanDefaultPageLimit" value="20" /></pre>
Mobile checkpoints	There is a set of new Mobile checkpoints to cover Mobile web accessibility. These checkpoints are covered below under section 3.1.
Universal Web Engine	Overview

Area	Changes
	<ul style="list-style-type: none"> • HWB/CEF [Headless Web Browser/Chromium Embedded Framework] is the new functionality implemented in v5.0. The web pages are loaded using HWB which helps to scan the dynamic content on the page and provide better scan results. <p>Options</p> <p>There is a flag 'Dynamic content scanning options' under Settings - >System Configuration. This flag has below options to select.</p> <ul style="list-style-type: none"> • <u>Never</u>: By default this option is selected. This option turn off using Universal web engine for normal scans and deputy scans • <u>Single Page only</u>: When selected, Universal web engine is used to scan the first page of a scan and deputy scans • <u>All pages</u>: When selected , Universal web engine is used to scan multiple pages and deputy scans <p><u>Note</u>: This flag is not available for the upgrade. Default value is 'Never' for the upgrade.</p> <p>Need to copy below key in 'HiScan.config.xml' under C:\ProgramData\Cryptzone\ComplianceSheriff\customers\Cryptzone to change the options.</p> <pre><add key="DynamicContentScanningOptions" value="Never#First page only#All pages" /></pre> <p>Transaction scripts</p> <ul style="list-style-type: none"> • There is no option to turn off Universal Web Engine for scripts. It will be always used for scripts.
Transaction scripts	<p>Internet Explorer transaction script recorder</p> <ul style="list-style-type: none"> • There is no option to record IE transaction script. This option has been removed from V5.0. • User can still load the old scans with IE script and execute it but can't record any new scripts. • 'Allow multiple start pages' option has been removed from settings. This has been changed to make UI simpler. User can create separate scans for multiple start pages.

Area	Changes
Compliance Deputy	<p data-bbox="578 289 792 321">Mozilla Firefox*</p> <p data-bbox="578 363 1390 474">Along with Internet Explorer, Google Chrome and Safari (Mac OS) Compliance Deputy is now supported in Mozilla Firefox. Refer to the Compliance Deputy Install and User Guide for more information.</p> <p data-bbox="578 512 980 543">Universal Web Engine support</p> <ul data-bbox="630 583 1458 779" style="list-style-type: none"><li data-bbox="630 583 1458 653">• Universal web engine is supported for deputy scans, which is required to scan dynamic content.<li data-bbox="630 667 1458 779">• Universal web engine can be turned off with the flag “Dynamic content scanning options” which is available under Settings of the Compliance sheriff application.

Issues fixed in v5.0

The following issues in Compliance Sheriff and Compliance Deputy were fixed in v5.0.

Area	Changes
<p>Checkpoints</p>	<p>WCAG 2.0 H42 [Using h1-h6 to identify headings] - False Positives</p> <p>This checkpoint returns false positives when a site uses a heading level which goes down one more level, then comes back up. This has been fixed by updating the compiled checkpoint 'Accessibility 3.5'.</p> <p>Note: This compiled checkpoint is referenced in the following checkpoints:</p> <ul style="list-style-type: none"> • Accessibility20_H42.xcp • Accessibility20_G141.xcp • AFM_C3 • AFM_T3 • RGAA_H42.xcp • RGA_G141.xcp <p>As the compiled checkpoint is built-in to the main library (HISCLIB.DLL), which is updated during the upgrade, no further action is required.</p> <p>Section 508 N.1- Incorrect Reference URL</p> <p>Link provided in the Section 508 N.1 [Identify all LABEL elements used within FORM elements] checkpoint points to an incorrect location. The URL has been correct to point to the correct page.</p> <p>Note:To apply this fix after an upgrade, copy this checkpoint from C:\ProgramData\Cryptzone\Compliance Sheriff\Dist\Data\ to C:\ProgramData\Cryptzone\Compliance Sheriff\Customers\<customer>\data\ </customer>\data\ Refer to Appendix B.3 of the Compliance Sheriff installation guide for more information on updating resources.</p>
<p>Quick Start scan</p>	<p>View Results</p> <p>Access denied error message occurs when clicking the "View Results" link when the Quick Start scan is completed. Issue has been fixed by making sure the user permissions are applied correctly.</p>

Area	Changes
Quick Scan/Permission	User permissions User with Create permission for Scan/Monitor type cannot save Quick Scans in the Scan list. Resolved by ensuring that the Scan/Monitor group permission is not being updated with the name of the saved scan.
Admin	User password Password of a user who is moved to another group automatically gets shorter and don't match the requirements. Fix is to Ensure password not validated unless actually changed

5. Installation and upgrade

Refer to the following documents for information about installing and upgrading Compliance Sheriff and Compliance Deputy:

- Compliance Sheriff V5.2.5 Installation Guide
- Compliance Deputy V5.2.5 Installation and User Guide

Considerations and known limitations

Dynamic Scanning Engine

Performance has been improved in v5.1 and above with the Dynamic Scanning Engine used for all page scans. However, scan performance can still be impacted when the option to scan dynamic content is enabled because the scanning engine loads all of the content on the page. This method ensures that content is assessed as a rendered page rather than scanning only the static content or page source code, and it delivers more accurate results.

The Dynamic Scan Engine is required for any web page that has dynamic or scripted content, and users are advised to set the Dynamic Scan Engine setting to “All Pages” in order to accurately scan all content.

Selenium IDE Transaction Script Recording

Firefox version 55 has removed the functions that Selenium relies upon for their Selenium IDE script recorder. This means that the Selenium IDE script recorder only functions with older versions of Firefox. Installing different versions of Firefox and disabling Firefox’s automatic updates might be an option for some users, but others are left with no capability for recording transactions scripts.

Compliance Sheriff transaction scripts still function as before, but the user can no longer cut and paste from Selenium IDE. It is possible to use other free tools to record web actions, identifying object names and task order, and then type those into the Compliance Sheriff scan definition. A new utility to debug transaction scripts has been added to Compliance Sheriff and other options are being investigated.

Compatibility

Refer to installation guides (see Section 7) for all details of operating systems, system software, and web browsers supported by Compliance Sheriff v5.1 and Compliance Deputy v5.1 and above.

Impacts on other products and features

There are no known impacts on other Cryptzone products or features.

6. New and modified checkpoints

Listed in the tables below are checkpoints that have been added in Compliance Sheriff V5.0 and above, primarily to cover Mobile Web Accessibility support.

Note. The use of the new "mobile" checkpoints are controlled by a new module in the Compliance Sheriff Web license. A new license will be required to enable the use of these "mobile" checkpoints. Contact support@compliancesheriff.com for further assistance.

Mobile module

Filename	Description / Comment
New Checkpoints	
Mobile_ACCESS_KEYS.xcp	Assign access keys to links in navigational menus and frequently accessed functionality.
Mobile_AVOID_FREE_TEXT.xcp	Avoid free text entry where possible.
Mobile_BALANCE.xcp	Provide a balance between having a large number of navigation links on a page and the need to navigate multiple links to reach content.
Mobile_CACHING.xcp	Provide caching information in HTTP responses.
Mobile_DEFAULT_INPUT_MODE.xcp	Specify a default text entry mode, language and/or input format, if the device is known to support it.
Mobile_ENCODING_SUPPORT.xcp	Ensure that content is encoded using a character encoding that is known to be supported by the device.
Mobile_ERROR_MESSAGES.xcp	Provide informative error messages and a means of navigating away from an error message back to useful information.
Mobile_IMAGE_RESIZING.xcp	Resize images at the server, if they have an intrinsic size.
Mobile_IMAGE_SPECIFY_SIZE.xcp	Specify the size of images in markup, if they have an intrinsic size.

Filename	Description / Comment
Mobile_LARGE_GRAPHICS.xcp	Do not use images that cannot be rendered by the device. Avoid large or high resolution images except where critical information would otherwise be lost.
Mobile_NO_FRAMES.xcp	Do not use frames.
Mobile_PROVIDE_DEFAULTS.xcp	Provide pre-selected default values where possible.
Mobile_SCROLLING.xcp	Limit scrolling to one direction, unless secondary scrolling cannot be avoided.
Mobile_TABLES_NESTED.xcp	Do not use nested tables.