

# **Ravenblack Products**

## **Application Analyzer - Release Notes Version 1.3.2**

Release Date: 2023-04-02

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

**1.3.2 NEW FEATURES .....2**

Highlights ..... 2

Full 1.3.2 Feature List ..... 3

**VERSION 1.3 NEW FEATURES .....4**

Highlights ..... 4

Full 1.3 New Feature List (since v1.2)..... 6

**INSTALLATION .....8**

**DOCUMENTATION AND HELP .....8**

**CS VERSIONS .....8**

**BROWSER VERSIONS .....8**

**OS VERSIONS .....9**

**EXTENDABILITY .....9**

**KNOWN ISSUES/ANOMALIES ..... 10**

**PREVIOUS VERSIONS..... 11**

**ABOUT RAVENBLACK..... 12**

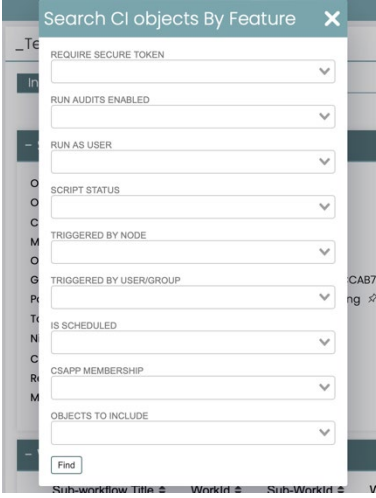
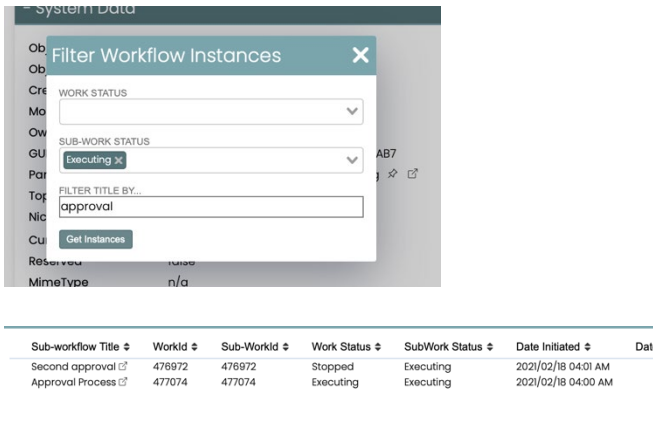
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Application Analyzer - Release Notes Version 1.3.2

Date: 4/2/2023

# 1.3.2 New Features

## Highlights

	<p><b><u>Search WebReports(CI) Objects by Feature</u></b></p> <p>This new aspect provides the ability to return any WebReports in the system based on features such as “Require secure token”, “Run Audits enabled”, “Run as User”, “CSApp Membership”, “Objects to Include”, etc. This enhances the various aspects that return WebReports by usage by allowing any cross section of feature settings to be used to build a set of WebReports for management.</p>
	<p><b><u>Workflow Instance Filtering</u></b></p> <p>Enhancements were made to Workflow handling to allow instances to be returned based on status values and or title terms. The actual display table includes new columns.</p>

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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## Full 1.3.2 Feature List

These additional features and fixes in 1.3.2 have been added incrementally to the 1.3 release:


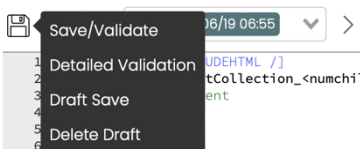

- Enhanced workflow handling enhanced display columns and filtering options.
- Add an additional audit feature for LiveReport recommendations (this audit is accessed as an internal feature - not yet available from the audit tab.)
- Add connected workspaces volume to the System Browse volumes list.
- Added a feature to open another analyzer instance in a new tab (showing the parent of the inspected object).
- Added a document download feature for any document.
- Added the Versions List section for all documents (even non-text editable).
- Added additional WebReports destination fields.
- Added the ability to change "use Secure Token" and "Enable Audit" fields from the inspection screen.
- Added a new aspect to Search WebReports by any feature (true or false).
- Allow .properties files (under support assets) to be editable.
- Miscellaneous minor fixes as well as the following more significant fixes:
  - Enhanced securetoken handling to prevent stale tokens.
  - Fixed issues with case sensitive databases and Linux file names.
  - Fixed initialization issue where default settings were not getting set.

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

# Version 1.3 New Features

## Highlights

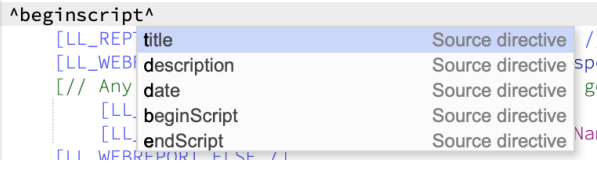
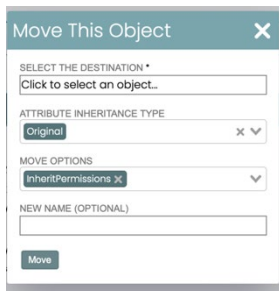
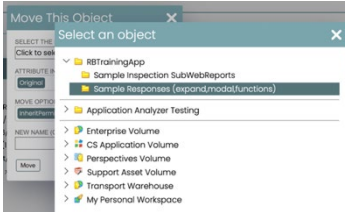
(Added compatibility up to version 22.3)

	<p>In the editor, it is now possible to see the version date and version number in the version selection control. This also applies to the diff/compare screen. This makes it easier to select versions based on when the changes were made.</p>
	<p>Draft saving has been added as an option for saving WebReports. This allows a quick, unvalidated, and temporary save that does not change the version that is actually being executed by users.</p>
	<p>Additional auto complete modifications, variables found in the source are now dynamically added to the autocomplete for selection in addition to constants and parameters.</p>

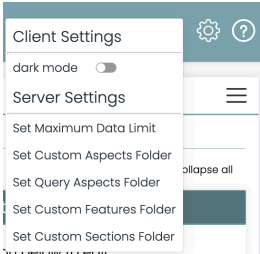
**Ravenblack Products**

Application Analyzer - Release Notes Version 1.3.2

Date: 4/2/2023

	<p>Various “directives” have been added to the editor. These are:</p> <ul style="list-style-type: none"> <li>▪ ^title^ fills in the object title.</li> <li>▪ ^date^ fills in the current date.</li> <li>▪ ^description^ fills in the object comments.</li> <li>▪ ^version^ fills in (CS nn) where nn is the Content Server version.</li> <li>▪ ^beginscript^ and ^endscript^ provide a compression feature. All source between the directives is commented out and then a version of source is created with no extra white space and inserted above the commented source.</li> <li>▪ These directives are available with auto-complete.</li> </ul>
	<p>Multiple Content Server actions have been added as “internal features”. Specifically:</p> <ul style="list-style-type: none"> <li>▪ Moving objects</li> <li>▪ Copying objects</li> <li>▪ Deleting objects</li> <li>▪ Adding folders</li> <li>▪ Adding WebReports (also supports a specified default reportview to use).</li> </ul>
	<p>Target browsing has been introduced as a form prompt option and is used for the new CS features (e.g., to select objects to move or copy to). This version also provides recommended objects, i.e., the previous selection and the parent of the current selection.</p>

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

	<p>The settings option on the header bar now includes various server settings (in addition to the client “dark mode”). These server settings control the “maximum data limit” as well as settings to specify which folders have custom aspects, features, or sections defined in them (see next item),</p>
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Extendability:

It is now possible to customize the following application features through “drop-ins”:

- Aspects by adding Livereports or saved search queries
- Aspects using WebReports with a defined JSON schema.
- Internal features using WebReports with a defined schema complete with custom prompts, and the ability to execute RPC type functions; open modals with tables of information; or to initiate a new mount action.
- Data sections using WebReports with a defined schema.

## Full 1.3 New Feature List (since v1.2)

- Allowed content editing for text-based support asset objects.
- Added support for secure constants as implemented in 22.3 onwards.
- Added GUID to system data.
- Added Reserved field to system data.
- Changed settings to use setting icon on header bar, also moved to KINI from INI.
- Easy object renaming by selecting the name in the inspection panel.
- Easy modification of nicknames from inspection screen.
- The system section now has an expansion option that shows Extended Data (DTree.ExtendedData) fields broken out as an object.
- Additional Editor types (Emacs and VIM) added.
- Diff capability for sub-tag source viewing and comparing.
- Search for DataId now supports nicknames
- Improved organization of constant table to show inherited versus referenced constants more clearly.
- Perspective parameters are now shown in the Parameters section and identified as being used by the perspective.
- The linkage between forms, form templates, and form views is now being handled through new sections shown for forms and form templates.

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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- Added the capability to show the SQL table content for form templates and forms (where a table is attached).
  - Added the ability to view workflow instances for a selected workflow map.
  - It is now possible to step back through different object selections, as well as different aspects in the finder panel.
  - The location field in the System card now includes a “top” location (top of the hierarchy) as well as a parent location.
  - Server settings now available via the header bar, settings icon.
  - Multiple minor bug fixes.

(Note, “[known issues and anomalies](#)” can be found at the end of this document. )



<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

## Installation

The software is built as a “Content Server Application” (CSApp) and can be installed as per any CS application. A restart will be required following installation; however, if the Ravenblack Sub-tag Loader tool (RBSL) is present on the system, it can also be used to load the application’s custom sug-tags to avoid a restart.

Note that to update from any prior version, the previous version should be uninstalled in order to do a fresh install of 1.3 This version was not tested as a CSApps upgrade and there appear to be some bugs with the CSApps upgrade which we would need to work around. No data will be lost by re-installing.

## Documentation and Help

Once installed the application can usually be opened via an option on the Admin menu called “Open Application Analyzer”. For non-Admin users (must have

The application can also be launched via function menus for containers, WebReports and ActiveViews, or using: **?func=csapps.launchapp&appname=RBAppAnalyzer**

Once in the application there are some detailed instructions via the Help icon (top right of the application) that can help to get started. Additional tutorials can be found through our Ravenblack Technical Services YouTube channel.

## CS Versions

This version is currently certified for Content Server releases from 20.1 to 22.3 but should work well with versions as far back as 16.2. Please notify us if you have any problems with earlier versions or if you are unsure about compatibility. The product has also been tested with support for old and new type perspectives and various changes in application deployment.

## Browser Versions

Current versions of Chrome, Firefox, Edge and Safari should work with a few documented exceptions. IE 11 is not supported.

Contact [support@ravenblackts.com](mailto:support@ravenblackts.com) for further information on compatibility with any components and versions not listed here.

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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## OS Versions

This product has only been tested on Windows Server based operating systems (as supported by Content Server). No issues with other operating systems are anticipated. Contact [support@ravenblackts.com](mailto:support@ravenblackts.com) for more information.

## Extendability

Starting with version 1.3, it is possible to extend Aspects and Internal features to include partner/customer specific features. Any specific features or functionality related to this extendability are not described in this document. This release also does not provide any examples or schema information, but further details can be obtained by contacting Ravenblack support. In future a document, and or online resources will be provided with full feature and schema information for extending the Application Analyzer. We will also be providing videos to illustrate this feature and provide development guidance.)

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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## Known Issues/anomalies

- RBAA does not work when "Include WebLingo filename and debugging comments" option is enabled. In some versions of Content Server this option may default to being enabled. This option can interfere with any WebReports development and will definitely affect RBAA negatively.
- When using the "Global Search" Aspect, some objects may not be returned by the search, even if they are selectable in the search (e.g. Forms, Form Templates). This can happen if the objects have not been enabled for inclusion with the Enterprise Extractor. Item Types can be added for inclusion via Search Administration:

[Configure the Enterprise Extractor/Set Extractor General Settings/Configure Excluded Item Types](#)

- The application has a throttling mechanism built in. This will only be noticeable if browsing the Enterprise (or any other very large container) and if the total number of objects for any branch of the tree exceeds 1,000 (configurable via server settings). When this limit is hit, the tool will not load the children for the branch and will identify this limit when hovered over. These branches can then be "mounted" to view the next level of children. This behaviour allows the ability to use a filter when a manageable set of data is available, while at the same time preventing an excessive amount of objects to be loaded. Through the Maximum Data Set option, this can be varied from 1 to 5,000 according to browsing requirements.

Note that when browsing Content Server Applications, this throttling does not currently take effect as applications are normally limited to a finite number of objects (<2000) and it is desirable to load all of these objects.

- The analysis feature for WebReports constants and parameters does not pick up any script-based references yet.
- The WebReports parameter analysis does not currently show inherited SWR parameters in the same way that inherited constants can be reviewed.
- Parameter usage in LiveReports is not detected if the parameter is only in a SQL template.
- Searching within the diff tool doesn't work with Safari (search icon is hidden).
- This application does not currently support internationalization. Additionally, if a non-English language is on the system, but not active, some features may not work correctly.

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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## Previous Versions

### RB App Analyzer – new features in version 1.2

- Introduced settings with “dark mode” option.
- Added the ability to size the visible panels or to completely collapse the finder panel.
- Introduced a content editor for any editable objects
- Based on Ace editor, includes default set of Ace features
- Allows “stepping” backwards or forwards to other versions directly from the editor
- Allows version comparisons (“diffs”) from the editor (diff also available from inspection “version list” section.
- Auto completion for all tags, sub-tags, constants, parameters, etc.
- Enhanced validation (localizes errors by highlighting where the errors are)
- Draft Save option
- Source directive options (automatically insert: title, date, description).
- Introduced the ability to crawl an entire application to build out all software trees and mount them for analysis.
- Introduced the ability to run an audit report: (phase 1), identifying any bad references during the application crawl
- Introduced the ability to print (or save to PDF), the auto generated documentation.
- Added support for Workflows:
  - New Aspect to show all Workflow Maps that include WebReports (WWX)
  - Ability to see all active workflows for any workflow map
- Introduced the ability to mark all objects in a CSApp as registered/owned by that app.
- Added a column to “Referenced” and “Available” constants to make it easier to see and access the appropriate WebReports that are providing constants. This differentiates between the items in the software chain that provide inherited constants, and the associated reference files that are attached to any of these WebReports.
- This version of the application has been tested on CS versions up to 21.4.
- Also added various minor feature enhancements and style improvements as well as miscellaneous bug fixes.

<b>Ravenblack Products</b>	
Application Analyzer - Release Notes Version 1.3.2	Date: 4/2/2023

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## About Ravenblack

Ravenblack Technical Services enables users of OpenText Content Intelligence, Perspectives, and Smart View to get more out of their investments in OpenText Content Suite and Extended ECM (xECM) platforms. Owned by Greg Petti, one of the original founders of Resonate Knowledge Technologies (RKT), Ravenblack provides consulting, best practice advice, training, and development services to organizations around the world.