CommonSpot 10.6.0 Release Notes

Paper|Thin

About this Document

This document summarizes the following for the CommonSpot 10.6.0 release:
- Enhancements
- Notable Bug Fixes
- Important Notes (required reading)
- Special Upgrade Offer

For detailed instructions about installing CommonSpot, see the current release of the *CommonSpot Installation Guide*.

For detailed instructions about upgrading from a previous version of CommonSpot, see the current release of the *CommonSpot Upgrade Guide*. Review carefully all Pre-Upgrade instructions.

NOTE: Before installing or upgrading to this release, review all other Release Notes documents from your current version of CommonSpot to this version. For example, if you are upgrading from version 9.0, please refer to all CommonSpot 10.0.x Release notes, as well as the 10.5.x Release Notes.

Platform Support Updates

Release 10.6.0 of CommonSpot now includes support for the following:
- Adobe ColdFusion 2018 with updater 4
- Lucee ColdFusion version 5.3.x (minimum 5.3.2.77)
- Microsoft SQL Server 2017 (with Adobe ColdFusion 2018 and Lucee 5.3.x)
- Oracle 19c & 18c (with Adobe ColdFusion 2018 and Lucee 5.3.x)
- MySQL 5.7 and 8.0
- Java 11
- Java providers other than Oracle
- Solr 8.2.0
- Windows Server 2019 (with Adobe ColdFusion 2018 and Lucee 5.3.x)

The following platforms are no longer supported:
- Adobe ColdFusion 11
- Lucee 5.2.9
- Windows Server 2008
- Microsoft SQL Server 2014 (for Lucee)
- MySQL 5.6.x
- Solr 5.x
- Java 8, 9 and 10
- 'Native' Full Text Search (using the search engines provided with ColdFusion and Lucee)

Be sure to see the current Tech-Specs page at https://www.paperthin.com/support/tech-specs.cfm for the most up-to-date information.

Enhancements

Release 10.6.0 of CommonSpot includes the following enhancements.

ADF 2.4

- In conjunction with this release of CommonSpot, version 2.4 of the CommonSpot ADF (Application Development Framework) has been released. This release includes notable enhancements and bug fixes to the ADF, as well as updates to several of the ADF applications.

Cache

- Browser type selection is no longer required for cache rebuilds. All references to browser cache options in various dialogs have been removed.

Container Element

- Only Added the ability to name container rows, thus making it easier to order when moving rows within a container with many rows.

Custom Element

- It is now possible to use NEQ in a filter for a Calendar field.
- Custom Element in Reuse mode was sorting the Taxonomy field by the TaxonomyID instead of the Term name.

Group Administration

- Added Company and Organization to the filter when searching for users in Add Users to Group dialog. Added select/deselect links in the dialog to select all or deselect all.

Help > Find Actions

- Added the ability to search and find menu items and other user interface actions from the Help menu. Clicking the 'Find Actions…' menu will invoke a new dialog with a type-ahead search field. Upon entering 3 characters of your search term, results will be displayed. Depending on your current content, clicking the linked result will navigate you appropriately and open the resulting dialog. This feature will make it easier to find functionality within the CommonSpot interface.

Java Platform

- JVM version requirements have been updated to reflect Oracle's new licensing terms. Non-Oracle providers are now acceptable. See the Tech-Specs page for details.

Link Management

- 'Validate Links…' from the Dashboard > Links menu and 'Broken/Unverified Links' from the left pane, render an icon on mouse over to open the link in a new window/tab. This applies to valid links and those we cannot verify syntax for that may by valid.

My CommonSpot

- Additional information is now shown as fly-over text for the links in the various sections, including more detailed information for Approval requests, Incoming Work Requests, Active Freshness Reminders, and Subscription Notifications.

QuickFind

- Templates and Inactive Pages are now returned in QuickFind results.

Reports

- The full path to the page is now rendered on mouseover when selecting for a link.

Search Engines / Full Text Search

- Due to the limited functionality of the full-text search functionality provided by Adobe ColdFusion and Lucee, CommonSpot 10.6 eliminates support for the 'built-in' search engines. Full-text search may be implemented by installing either the full Apache Solr search engine (recommended) or by using CommonSpot's full-text search API to implement an interface to another search engine.

Search Performance

- Performance improvements for "Search Results" element with large datasets. Where the source data was 18k rows, the time to return the search results was improved by a factor of 50. Please note that the Solr schema and search engine interface have been updated, so existing full-text collections will need to be rebuilt and any other customizations will need to be reviewed.

Security

- This update eliminates three possible XSS attack vectors.
- Added 'Mange Site Search' permission within Site Administration to control access to Site Search settings.

See Also Reference

- It is now possible to define See Also References via the Advanced Search interface.

Subscriptions

- The Subscriptions dialog now remembers the Filter Criteria when the dialog refreshes after a subscription is saved.
- Changed verbiage within the dialog to make actions clearer.

Uploaded Document Formats

- Factory image formats now includes SVG.

Notable Bug Fixes

Browsers - IE 11

- The reported symptom was that after the completion of a CommonSpot install, an attempt to get into Server Administration failed with a JavaScript error. In IE 11, Microsoft provides a customized name for the industry standard "crypto" function, naming it instead "mscrypto". Not finding this function prevented Dashboard access.
- Corrects an issue where the Rich Text Editor would not save when using IE 11. This problem was not seen in Edge, Chrome, Safari or Firefox. You may need to clear browser cache in IE.

Cache

- Stray error log entries containing 'The invalidateAll() method was not found' may be seen.
- In certain circumstances, page rendering may fail due to a failure in writing cache files.
- Changed the indicator that Option 1 is the default in the Site Administration > Performance > Cache Clear Settings dialog.

Chrome Browser

- When renaming a page, the orange 'copy down' arrows could not be used from the keyboard with Chrome browsers. Other browsers functions properly.

CKEditor

- Rich Text Editor did not save Window opening properties for a link on an image.
- Updated schema to allow multibyte emoji characters in the Rich Text Editor.

Content Creation API (CCAPI)

- Cache was not cleared for a custom element when data was added by the CCAPI. It was necessary to manually clear cache to see the new data.

Custom Element

- An Extended URL field to a missing page presented a link in the Edit Data dialog that tried to launch the link in the Edit Data dialog.
- When a Custom element with a Rich Text Editor field was edited, and the Edit Data dialog expanded to full size, the RTE was made too large for the window.
- Using ct-render-named-element did not pass in the ClassNames attribute as expected.
- Custom Element data may be cached incorrectly in some circumstances when multiple elements where authored at the same time.

- Under certain circumstances the Custom Element Data View dialog's rendering would become corrupted when render data for a Custom Element that has a RTE field in it.

Custom Metadata

- Pages with a custom metadata form that includes a field of type "formatted text block" were hanging when the Custom Properties on the page were edited and then saved with the check spelling box checked.
- The "Previous" button on a Custom Metadata form did not function.
- Using the Previous button on a Custom Metadata form reset the Publication date to the current timestamp.

Dashboard

- Unexpected wrapping of icons in the Actions column in some dialogs.

Database Conversion Tool

- The Database Conversion Tool failed to create one or more tables during the conversion.
- The database conversion tool (Server Admin | Utilities | Server Tools | Database Conversion) fails when some specific data values exist.

Datasheet

- Could not edit other aspects of a datasheet if the custom query used to select data had a variable in it.

Display Template

- When adding a Display Template to a Custom Element in Site Administration > Elements, if you go to tab 2 or 3, it lost the data for name and description on the first tab.

Documentation / Help

- Corrected documentation regarding Visitor Context Groups.
- Corrected Command API documentation for various methods including GridRowLayout.getLists().
- Corrected Taxonomy API documentation for getObjectsByTermIDs() method
- Correct launching of several help topics from Context sensitive Help.
- Updated instructions for [installing/upgrading Solr](#).
- The downloadable Help zip no longer contains the /commonspot directory making it easier to unzip.

Drivers

- (Lucee-specific) - Under certain conditions, a crash occurs when version 8.0.x of Lucee's MySQL driver is used.

Elements

- Copying an element could result in an error.
- Element usage report may include stray entries after moving a page to a different subsite.

Email Handling

- Under certain conditions, if duplicate recipients were specified, emails are not delivered. Updates were made to remove duplicate recipients.

Images

- Datasheet and Preview of Custom Element Data for images was rendering the image link code instead of the image.

Job Definitions

- Job definitions added at the 'site' or 'customer' level may not be listed as expected.

Link Management

- Link Validation - Some links may fail to validate correctly on https-only sites.
- Correct issues marking certain links as valid.
- Links pointing to deleted pages within CommonSpot now can not be marked as valid.

Local Custom Element

- Local Custom Element displayed the wrong icon when in WIP/Delete mode.
- Corrected an error when a Local Custom Element reverted to a previous version of data using Version History.

Login Error

- Error dialog may appear when logging in or refreshing a page active in the CommonSpot Dashboard.

Manage Keywords Dialog

- Changing the sort column of the Subsite Administration > Content Classification > Manage Keywords dialog caused the dialog to render incorrectly.

Multimedia

- Multimedia file upload where a custom metadata form was involved would hang if pop-ups were disabled in the browser. Pop-ups must be enabled.

Multi-section Element

- Multi-section element may fail to render correctly if the 'section index' option is selected, and one or more sections is not scheduled to be visible.

My CommonSpot

- Pages set to Expire in the future that were set more than 1 year, did not appear in the My Commonspot > Reminders > Content Scheduled for Expiration dialog.

Page Copy

- The Page Copy process was not validating that the CommonSpot Title value in Standard Properties was unique in the subsite.

Page Move

- Changing the CommonSpot Title, Caption, Description or Category of the Standard Properties of a page in the process of MOVING the page did not save those values.
- Moving a page always displayed an inappropriate warning, even when no warnings were appropriate.
- Moving a page with Custom Metadata that included a Formatted Text Block would fail.
- In certain circumstances, errors occurred while copying a page to a different subsite.
- Copying a page did not validate that the CommonSpot Title was unique to objects in the same subsite.

Page Properties

- CommonSpot reported the presence of HTML in a non-HTML field as a duplicate Title.
- Cancel button was sometimes unresponsive in the Custom Properties dialog.
- Rules for the 'description' field in page metadata were inconsistent. Some methods allow HTML in this field, others did not. All methods allow HTML for page descriptions.

Permissions

- Permissions at the Element level as set in Site Administration were not properly cascading down to the element on the page.

Rebuild Link References

- Resolved rebuild link reference issue with Social Media References.

Render Handlers

- Changing the settings in Layout Properties for a custom render handler did not present the correct dialog options.
- Inactivating a render handler may cause pages where this handler is used to render with errors or otherwise incorrectly.

Reports

- Running a Report of Images will generate an error if the Site Administration Report Settings has the Default "Order By" for Report and Tools set to "Title/Image Filename".

Replication

- Initial replication for a new ROPS may be blocked by a validation error.
- In replication environments, packets may fail to apply after adding one or more subsites.
- Some group memberships may disappear unexpectedly after replication.

Saved Search

- An error occurred when using a saved search if it is sorted by 'title'.
- The "Save" button in the Edit Saved Page Search dialog did not perform the expected behavior of closing the dialog upon Submit.

Scheduled Jobs

- When adding a Scheduled Job definition from the site-level, CommonSpot mistakenly thought it was added at the server-level.
- Sorting in Add Scheduled Jobs dialog was not correct initially.

Search

- Multi-word search failed if Adobe ColdFusion 11 updater 18 or Adobe ColdFusion 2016 updater 10 was installed.
- The 'score' field in the search results may cause integer overflow errors in certain search scenarios.
- Featured Results did not return the expected pages when a quoted string was the search term.
- When saving an SEO Reporting group dialog that has missing information, the form will move to the affected field no matter which tab it is on.
- and up The Search form would accept any number of characters but generate an error if there were more than 100. Now limiting the number characters at entry time.
- After re-indexing, a lot of error log entries were found containing the message 'key [STARTTICKS] doesn't exist in the request scope'.
- Clarified descriptions in the Server Admin > CommonSpot Search Settings dialog.

- The Search Form did not update to stay bound to the Search Results Element if the page it was on was moved or renamed.

Security

- This fix restores CommonSpot's native behavior where the user is told that their account is expired. It leaves in place the behavior that custom authentication is told that the user is not authenticated (CSauthenticated=1). It adds a new CSaccountExpired attribute that is passed into the custom authentication call, so if that code wanted to do something different in that case, it could. If CSauthenticated is 0, meaning that the user is not authenticated, CSaccountExpired will be 1 if the reason for that is that their account is expired, otherwise CSaccountExpired is 0.
- The 'Apply Permissions to Inherited Pages' option in 'Template Inheritance Security' has been removed due to the risk of serious, unintended side effects.
- Errors may be logged when certain mal-formed URLs are requested.
- In some scenarios, attempting to edit a page resulted in a 'Variable PAGEEDIT is undefined' error.
- User with only Use Site Administration page had access to several site tools.
- Under certain circumstances, template security updates were not reflected in downstream pages.

Shared Database

- Corrected a crash when attempting to view Site Administration > Shared Database > Server Status dialog. If there are any File Actions, Foreground Actions or Background Actions, clicking the number to view the pending actions generated an error.
- In a shared-database configuration, unexpected directories and files may be created on a read-only server when a new site is created.

Site Administration

- Text under the heading in the Site Administration > Site Properties/Settings > My CommonSpot Sections > My CommonSpot Section Security was incorrectly wrapping.
- Performance Report was listing some elements more than once.
- The SVG image type is now listed as part of factory data.

Site Creation

- New site creation may fail with 'database is not empty' error when using a new (empty) database. This problem is more likely when using the Chrome browser.
- Root URL for newly created site may be incorrectly constructed when https: is in use.
- The "New Site Database Configuration" dialog does not allow entering data into the Database Username field by clicking into the field if auto population of fields was enabled.
- Improved performance of site creation under MySQL.

Tree Navigation

- Under certain conditions, Tree properties were not updated in the Manage Trees dialog.

Upgrade

- Upgrade may fail if one or more site creations have failed and the resulting incomplete sites have not been removed. ServerSites table will have SiteState=99.
- Upgrade may fail if incomplete sites are not manually excluded.

User Administration

- It is now possible to use an "&" in a username for a Contact. Previously the ampersand was escaped each time the contact information was saved.

Visual Diff (Compare)

- After saving an element, then selecting Compare to see the difference between the edits and the original, the text that did not change had an incorrect style.

Work In Progress

- When an admin user is attempting to edit another user's Work in Progress element, the attempt fails and the request hangs (the spinning arrow never stops).

Work Requests

- Edit Work Request dialog would not open from the Manage Work Requests parent dialog.

Important Notes

The following describes issues that may affect the operation of your CommonSpot site. Please review these notes before installing or upgrading to this release.

Upgrading with MySQL

If MySQL 5.6 is in use, all MySQL databases must be migrated to MySQL 5.7 (not 8.0) **BEFORE** running upgrade. Failure to do so will cause the upgrade to fail. To upgrade these databases, follow the upgrade instructions provided in MySQL 5.7 documentation, or use the built in Server Administration > Utilities > Server Tools > Database Conversion tool to migrate your databases from MySQL 5.6 to MySQL 5.7.
Upgrades to MySQL 8.0 cannot be completed before upgrading CommonSpot to version 10.6.
[See Knowledge Base Article for details.](#)

For Linux ONLY
On Linux installations, pages or uploaded documents with extended characters in the filename may cause problems (including crashes) if the JVM is not configured correctly. CommonSpot now verifies the configuration at startup time.

 Add the following lines to the startup scripts for both Adobe ColdFusion and Lucee:

>   export LC_ALL="en_US.UTF-8"
>   export LANG="en_US.UTF-8"

These need to run before the 'coldfusion start' (ACF) or 'lucee_ctl start' step. The locale can be different (i.e. the first part doesn't have to be 'en_US'), but the second part must be UTF-8 - and the two settings should be the same.

Lucee Only Settings

If Apache and Lucee are NOT running as the same user, the following setting change must be made in catalina.sh.

- Set UMASK to be 0022 instead of the default of 0027, which blocks access to everyone except admin and the Lucee process user.

A bug in Lucee prevents programmatic setting of the correct 'connection limit' value for datasources. Please use the Lucee 'server' administrator to update all of your CommonSpot datasources. Select '-inf-' as the connection limit for each one.

Multimedia

- In order to play a multimedia file from the Multimedia Report, there must be at least one player set with each multimedia file type as the default. Go to Site Administration > Multimedia Services > [External and/or Local] > Players > Edit > Supported Formats - Select at least one so that all formats used on your site have a default player.

Run Upgrade & Other Utilities

All releases require running /commonspot/upgrade/ to reset factory data, database indexes, and database functions. Then restart ColdFusion/Lucee.

PaperThin also recommends the following:
- Clear Browser Cache
  - Instruct all users to clear browser cache. This step is required for using the Rich Text Editor in CommonSpot as well as native dialogs.
- Rebuild Stub Files
  - You should run the Rebuild Stub Files update utility. See Site Administration - Utilities - Rebuild Stub Files.
- Rebuild Cache
  - This update may result in outdated cache files. For best results, schedule a Rebuild Cache job to run periodically to make sure that even the oldest cache files are reasonably current. See Server Administration - Utilities - Server Scheduled Jobs.

Full-Text Search

- Because of limitations in the 'built-in' search engines provided with ColdFusion and Lucee, these engines are no longer supported by CommonSpot. We recommend installing the latest available Solr as described in this [Knowledge Base Article.](#)
- **REINDEXING REQUIRED:** The Solr schema used with CommonSpot 10.6 has been extended to include several new fields to allow more optimal performance. All full-text collections need to be deleted and recreated. If a custom interface has been written using the API, several methods have new arguments which will need to be handled.
- For security reasons, ensure that the Solr engine is not visible beyond the local network (i.e. ensure that port 8980 (or whatever port Solr is configured to use) is closed to outside requests).

Style Sheet Considerations

If upgrading from any version prior to 10.5.0, this section may require action by you prior to the upgrade. Failure to take these steps could result in unexpected styles being applied.

Some of CommonSpot's core styles have changed to make CommonSpot fully 508 compliant. Use of inline styles and Presentational attributes has been removed for CommonSpot elements

in favor of classes. Prior to 10.5.0, the 'default.css' style sheet in the site's root 'style' folder was not overwritten to avoid discarding any customizations.

CommonSpot 10.5.0 has moved all the stock classes from default.css to \commonspot\site-default.css to allow separation between CommonSpot default values and site-specific customizations.

If your Style Sheet Sets include default.css (from the \site root\style folder) the upgrade to 10.5.0 will change the reference to \commonspot\site-default.css instead.
- If you have made no alterations to default.css there is no action needed on your part
- If all your custom styles are made via additional style sheets added to the style sheet set, there is no action needed on your part.
- If you have modified default.css (changed or added) you must make modifications in order to keep the custom styles you need.

Compare your copy of \yoursite\style\default.css to \commonspot\site-default.css. There are two options available to keep your custom styles.
1. Move the custom styles you wish to keep to \site root\style\default-override.css. If this file is present, it will be loaded automatically for the whole site. . If that is an acceptable option, no further action is necessary. If you do NOT want all your custom styles to be loaded for the whole site, use option 2.
2. Move the custom styles to a new style sheet and register that sheet with the appropriate style sheet set(s)

Other Notes

Read *all* interim release notes. This is particularly important if you are upgrading from a release earlier than 9.0.5. Interim release notes document important changes to system and configuration requirements, browser and server cache handling, scheduled jobs, text handling, and performance considerations. Read all Release Notes starting with versions greater than your current version including 9.0.5, 10.0.0, 10.0.1, 10.0.2, 10.5.0 and 10.5.1 available from:
http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm

Recommendations and requirements for ColdFusion, Lucee and MySQL settings may be found here:
https://www.paperthin.com/support/knowledgebase/articles/configuration-settings.cfm
https://www.paperthin.com/support/knowledgebase/articles/lucee-requirements.cfm
https://www.paperthin.com/support/knowledgebase/articles/Supported-MySQL-Versions.cfm

If you have custom code using CommonSpot variables, review updates to deprecated values on the PaperThin Support site for all releases. Please visit:
https://www.paperthin.com/support/knowledgebase/deprecated-variables.cfm

Special Upgrade Offer

PaperThin has launched a new online product which helps organizations more efficiently test their website upgrades. In a nutshell, the product reduces the manual testing effort required to ensure your website upgrade did not adversely affect your site, while providing more accurate automated testing results.

How does it work? The cloud-based Website Upgrade Tester tool takes screenshots of pages within your site, before and after your Website upgrade. It then visually compares the screenshots, examining them pixel-by-pixel to see if there are any differences, and reports those to you. You can quickly view either a 'difference' image, which shows the changed pixels in red, or a side by side comparison of the before and after screenshot to see exactly what changed. The tool also detects JavaScript and resource loading errors that may affect your sites behavior.

So, don't waste time manually testing your next Website upgrade. Visually compare the 'before' and 'after' automatically.

If you are planning to upgrade your site in the near term, please reach out to Support at support@paperthin.com. For more information on our new product you can watch a short explainer video at https://www.websiteupgradetester.com/explainervideo, or view our website at https://www.websiteupgradetester.com.