CommonSpot 10.0.2
Release Notes

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About this Document

This document summarizes the following for the CommonSpot 10.0.2 release:

- Enhancements
- Notable Bug Fixes
- Important Notes

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

For detailed instructions for upgrading from a previous version of CommonSpot, see the current release of the CommonSpot Upgrade Guide.

⚠️ NOTE: Before installing or upgrading to this release, review CommonSpot 10.0.0 and 10.0.1 Release Notes and Important Notes below.
Enhancements

Release 10.0.2 of CommonSpot includes the following enhancements.

- An API optimization/enhancement to allow cache rebuilds (and reindexing) to be suppressed when calling page.saveInfo and page.rename. This also removes the 2K limit for the 'description' field in page standard metadata.
- Enhancement to allow an arbitrary module to be run by the integrated job scheduler.
- Enhancement to make reindex/rebuild cache optional during page update, rename and create.
- The default layout of simple forms generates HTML with labels that are accessibility-friendly. The custom layout labels now use the label tag and the for="" attribute, thus making the rendering more accessible.
- Additional hook file support for the following events:
  - pre-delete-page.cfm
  - pre-delete-pageset.cfm
  - pre-delete-image.cfm
  - pre-delete-doc.cfm
  - pre-delete-registeredurl.cfm
- Image Galleries now support not having a default subsite, requiring contributors to select a subsitewhen uploading new images into that Gallery.
- The Freshness Reminders dialogs have new filters, including "Reminders assigned to My Groups" and "Reminders Assigned to Me or My Groups". By Default the latter is selected.
- There is a new Private column added to Manage Freshness Reminders dialog at the page level, as there was in My CommonSpot.
- Shortcut to upload a new image now has the option to choose an Image Gallery.
- New Image Gallery filtering functionality was added for Shortcuts
- The process of checking HTTPS links has been improved to prevent fewer false negatives.
- A custom Element was marked as 'dynamic' when it had no data, causing it to run every time the page was viewed. Behavior is now changed to prevent running the empty Custom Element.New methods added to full-text search API to enable more advanced customizations and to better integrate with CommonSpot’s Search Results element:
  - extractAdditionalData - constructs ‘additionalData’ block to be passed to the Search Results element render handler - default implementation returns empty struct.
  - collateAdditionalData - merges two ‘additionalData’ blocks - default implementation must be overridden if extractAdditionalData returns non-empty struct and two or more collections are in use.
  - addQueryField (Solr only) - utility method to add a custom field definition
- enableDebugLogging - enables or disables logging of some internal calls for debug purposes

Notable Bug Fixes

The following bugs were corrected:

Accessibility

- The default layout of simple forms generate HTML that uses labels that are accessibility-friendly. The custom layout labels now use the label tag and use the for="" attribute, thus making the rendering accessible.

Background Tasks

- Background tasks for an https site were using the wrong protocol.

Containers

- If the Container Tools were set to be hidden, the whole container would be hidden once entering Work on this Page mode.
- Under certain circumstances, editing Grid Rows on a page had the potential of changing the order and location of elements in the Container.
- Under certain circumstances, attempting to drag a Grid Row from the Left Pane onto the page would not render correctly.
- Under certain circumstances, moving an element could result in a crash.

Custom Element

- Filter criteria that includes data from a multi-checkbox field could generate a query error and crash.
- The calendar field in a custom element was not saving the selected time, but rather saving the time as 12:00:00.
- When the Date field mask was set to a 2 digit number for month, the rendering was not adding the leading zero.
- Under certain conditions, when attempting to edit an old (pre-upgrade) custom element field an error occurred. Editing a new fields did not have a problem.
- Under certain conditions, when changing a field type from hidden with a default value to text an error occurred.
- Query by Example used with a Custom Element did not update the options properly.
- The Section Label custom element form field was no longer wrapping.
Custom Metadata

- When a Registered URL was first created, it would show the proper MetaData Form. After creation, going to Standard Properties and clicking Next... would not render any Custom Metadata Form.

Dashboard

- The View Size options in the View menu to check the Responsive Design breakpoints was not behaving as expected.
- Updating Standard or Custom Metadata on a page now completes with a page refresh as expected.
- Preview Button text was not always correct.

Freshness Reminders

- When a Freshness reminder is assigned to someone else, the reminder was not marked private as it had been.

Images and Image Gallery

- Adding a new image via an Image Field in a Custom Element when the Image Field specified a particular Gallery would cause a crash under certain conditions.
- CommonSpot was setting the wrong document type for an image when multiple images were uploaded at the same time. Setting the image as a document caused the process to check if there was a MaxPages value set in the keys. If there was a MaxPages setting and the number had been reached, CommonSpot was preventing the image upload.
- Under specific circumstances, the creation of a new Image Gallery could fail.
- A divide by 0 error would occur if an image width was defined but not its height.

Link Validation

- Link validation of images in the RTE had incorrect paths in the dialog.
- Validation of https: links only checked for syntax validity

Multi-Section Element

- Nesting of Multisection elements was problematic.

Page Copy

- When trying to copy a page to a different subsite, and a page with that filename and title already exists, the dialog correctly warned that the page already exists, however, it
displayed the name of the existing page instead of the name of the page that we are trying to copy.

Page Metadata
- Saving Page Metadata corrupted the Confidentiality setting.

Performance
- Corrected an issue where after upgrading to CommonSpot 10.0.x one might encounter performance problems if there were many images in the Galleries. Pages would run each image through a check to confirm it was included in a legitimate gallery, creating many unnecessary queries.
- Performance may have been substantially degraded on a shared-database ROPS if multiple cache clear events occur in quick succession.

Query Builder
- Custom filters specified multiple table references in the same query to the same table under certain circumstances.

Render Handler
- Once a Render Handler was in use, if one renamed it on the file system, the dialog used to select a layout would crash, and not allow the newly named render handler to be re-selected.

Replication
- Replication failed after deleting one or more users (contributors who own content) from an instance with two or more sites.
- Updates failed to replicate or replicate completely when a running process had not completed at the start of a replication event. Missing updates were not included in subsequent incremental replications.
  **Note:** This release prevents future occurrences of this problem, but cannot detect updates that already failed to replicate. Also note that if a process (such as a user creation script) is running when a replication event starts, the changes made by that process will not be included in the replication packet - these changes will replicate as part of the next replication event (after the update process completes).
- Some custom files that were deleted on the Authoring Server might not be deleted on the Read Only Servers.
- The Replication background job may fail to run after upgrading from CommonSpot 8.x.
- Event Hook File 'after--replication.cfm' was not being replicated to the Read Only Servers
- Usage data may not be correctly handled for Replication records with more than one target server.

**Rich Text Editor**

- The csfield plugin for the RTE was preventing the RTE from rendering for Anonymous users when they accessed the RTE in a Simple Form. This is a new implementation of the csfield plugin tool in the new Rich Text Editor and required some special security adjustments to allow it to load properly.
- CommonSpot was saving Rich Text Editor toolbar and plugin settings in memory but not in the database. All changes would revert after a coldfusion engine restart. Also some complications caused by the order the settings were loaded into memory.
- IE 11 had unexpected behavior with the Rich Text Editor during link creation.

**Search**

- The Tree Navigation element was being indexed in the search collections. This is no longer the case, as elements primarily used for navigation should not be included in search results.
- Full-text engine interface updated to allow use with Solr 6.1.0 and later. Solr 6.2.1 has been tested and is supported with this CommonSpot release. Fixed a search API problem where custom element data was handed off to 'handleMetadata' as a string instead of as a struct. Also includes some minor performance enhancements.

**Security**

- Logging in to a CommonSpot site logged you in to every site on that server for ease in navigating multiple sites. Logging out was only clearing the session for the site you were in. Now it clears all sessions.
- Error may be logged on first request after login, if login applies to more than one site.
- If a page was locked for authoring and the lock expired because the user did not complete the task, the expired page lock prevented some API methods such as Page Deletion.
- After a page is locked by another user, one may see a “CommonSpot Security Exception” when attempting to edit the same page.
- Helper function may be used to cause unauthorized redirection. This is now prevented.

**Shared Database**

- Auxiliary files created for new HTML/MS-Word element instances may cause problems in a shared-database cluster if one or more read-only servers is offline or otherwise unavailable.
Site Installation

- If the search service was running, but for some reason was corrupted, CommonSpot would attempt to do the Search Engine testing routines, which would hang and prevent site installation.
- Improved dialog instructions for creating a new site with the MySQL database. This is purely cosmetic, but should be much more helpful when creating a new site.

Startup

- Corrected a problem where unexpected records in the Subsites table may block site startup.
- Server may become unstable if multiple requests are received shortly after a restart.

Subsite Selection

- Choosing subsites such as in Container Scheduling where you may pick one or more was confusing and could also remove too many subsites when one was deselected.

Upgrade

- Fixed an issue when upgrading from CommonSpot 7.0.0 or earlier.
- Upgrade may fail if one or more SQL Server named instances is in use.

Version History

- Under certain circumstances, an error occurred when attempting to revert content using Page Versions left pane.
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.

Platform Support

- For ColdFusion 10 installations, update 21 (or later) is required
- For ColdFusion 11 installations, update 10 (or later) is required
- For ColdFusion 2016 installations, update 3 (or later) is required
- For Lucee installations, version 4.5.3.20 is required. Lucee 5 is not supported with this release.
- Java 1.8.0 with update 102 (or later) is required.
- For specific details on platform support please visit http://www.paperthin.com/support/tech-specs.cfm

Brightcove updates

In this release, CommonSpot will migrate the API calls from the Legacy Media API to the new CMS API published by Brightcove. Brightcove has announced this change but it has not been completed yet. Please see this article for more detail: Brightcove Multimedia Service Updates

License Keys

This release may require updating license keys. You may need only to download the license keys again followed by a restart of ColdFusion. You may need to update the validation code in your keys. Email the text of the validation code (no images, please) to support@paperthin.com and follow up with a phone call to 617-471-4440 opt. 3.

Run Upgrade

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

PaperThin also recommends the following:

- Run the stub files update utility. See Site Administration - Utilities - Rebuild Stub Files.
- 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.
- **NOTE:** Instruct all users to clear browser cache. This step is required for using the Rich Text Editor in CommonSpot.

Element Usage Data

Reports for Element Usage (Site Administration > Elements & Forms > Elements > [element] > Edit Element Properties > Usage) may be incomplete after upgrade. Each upgrade purges the
CommonSpot ElementInstance table, which is used to populate the Element Usage dialog.

Elements are listed in the table once they are rendered within a page or after the site cache is rebuilt (Site Administration > Utilities > Site Tools > Build Cache Files). Run pages or rebuild site cache to update Element Usage data.

Read All Interim Release Notes and Relevant KB Articles

Read all interim release notes. This is particularly important if you are upgrading from a release earlier than 6.0. Interim release notes document important changes to system and configuration requirements, browser and server cache handling, scheduled jobs, text handling, and performance considerations. If you are upgrading from an early version, make sure to read the 6.0, 6.1, 6.2.1 and Winter 2012 (v.7) and Summer 2012 (v.8) 9.x and 10.0.0 and 10.0.1 Release Notes, available from: http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm
Also read all Support Knowledgebase articles relevant to your upgrade path.

Review Updates to Deprecated Values

For all releases, review updates to deprecated values on the PaperThin Support site. See: http://www.paperthin.com/support/knowledgebase/deprecated-variables.cfm (requires login)