

# CommonSpot 10.9.1

## Release Notes



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# About this Document

This document summarizes the following for the CommonSpot 10.9.1 release:

- Platform Notes
- Important Notes
- Enhancements
- Notable Bug Fixes

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 10.8.0, please refer to all CommonSpot 10.8.x, and 10.9.x release notes in addition to this document.

# Platform Updates

CommonSpot 10.9.1 supports:

- Adobe ColdFusion 2021 (minimum Updater 18)
  - With Java 11 update 25
- Lucee ColdFusion 5.4.6.9\*\*
- Solr 8 (8.5.0 minimum, 8.11.4 recommended)
- Oracle 18C and 19C
- MS SQL Server 2017 and 2019
- MySQL 8.0.x (minimum 8.0.17)
- CKEditor 4
- CommonSpot ADF (Application Development Framework) 2.7 \*\*

\*\* Newly supported

Please see the Technical Specifications page at <https://www.paperthin.com/support/tech-specs.cfm> for more information.

**NOTE:** Lucee has released version 6.x (currently 6.1.1.118). However, this version introduces breaking changes in CommonSpot. Therefore, at this time, do not install Lucee 6.x. Currently only Lucee 5.4.6.9 is supported with CommonSpot 11.0. We will release a new version once Lucee has fixed the breaking changes.

## 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.

### JVM Settings for ColdFusion

The following should be added to the 'java.args' assignment in the 'jvm.config' settings file (located in the {cf\_root\_dir}/cfusion/bin directory):

```
-Dlog4j.ignoreTCL=true  
-Dcoldfusion.xml.allowPathCharacters=true
```

The first item eliminates a large number of 'log4j' errors in the 'coldfusion-out.log' error log. The second item eliminates problems parsing XML documents (such as RSS feeds).

## Additional Updates for ColdFusion Installations

### cfserialfilter.txt

As a result of recent Adobe ColdFusion security updates, an additional manual update is now required in order to avoid problems deserializing certain data. The following string needs to be appended to the file 'cfserialfilter.txt', which can be found in the directory {ColdFusion installation directory}/cfusion/lib

```
com.paperthin.**;
```

Please note that future Adobe ColdFusion security updates may update cfserialfilter.txt, so this edit may need to be performed again as a result. Please review cfserialfilter.txt after applying any ColdFusion updates to ensure that this update remains in place.

### Variable Scoping in CFML code

ColdFusion 2021 Update 13 changed the way ColdFusion processes references to variables. Any CFML code which references 'Form', 'URL', 'Cookie', or 'CGI' variables without using the scope prefix (for example, referring to an URL parameter named "action" without the 'URL.' prefix) will need to be updated to avoid 'missing variable' exceptions. See <https://helpx.adobe.com/ca/coldfusion/kb/coldfusion-2021-update-13.html> for further details.

Also note that CommonSpot provides the structure 'Request.Params' which consolidates the 'Form' and 'URL' scopes.

## Upgrade Solr 8 instances to latest release

Due to reported vulnerabilities in the log4j utility libraries, Use of Solr 8.11.0 or earlier is not recommended for production environments. The latest Solr installer (version 8.11.4) can be downloaded from <https://solr.apache.org>. Please note that Solr 8 has reached 'end of life' status, so no further Solr 8 releases are expected. CommonSpot 11.0 adds support for Solr 9. Because of significant differences between Solr 8 and Solr 9, support for Solr 9 will only be available for CommonSpot 11.0 (and later)

## Other Upgrades Required for this CommonSpot Release

- The minimum JVM version for all installations is 11.0.25
- If your instance is using ColdFusion 2021, Update 18 (or later) is required
- If your instance is using ColdFusion 2018, Update 19 is required

- Lucee installations must upgrade to Lucee 5.4.6.9

## Review Uses of 'Duplicate()' and 'clone()' in Custom Code

Objects returned by CommonSpot command methods should not be passed to the CFML 'Duplicate()' method. In previous CommonSpot releases, the recommended replacement for 'Duplicate()' was to use the underlying 'clone()' method instead - For example, replace

```
objCopy = Duplicate(sourceObj);
```

with

```
objCopy = sourceObj.clone();
```

As of the January 2022 releases of CommonSpot (10.8.1, 10.7.2, and 10.6.4), the implementation of clone() for CommonSpot objects has been updated to return a 'shallow' copy instead (more like the CFML StructCopy() method), so these calls should be updated to use a new method provided by CommonSpot:

```
objCopy = Server.CommonSpot.deepCopy(sourceObj);
```

This new method is more robust against crashes caused by circular references and has more consistent results when the source object contains multiple references to one or more members.

## ADF Updates

The Application Development Framework (ADF) has been updated to version 2.7.0. This update can be downloaded from <https://community.paperthin.com/projects/ADF/index.cfm>.

Please be sure to review the release notes:

<https://community.paperthin.com/projects/ADF/docs/release-notes/Release-Notes-v2-7.cfm>

Also, the PT Blog, PT Calendar, PT PageRating, PT Poll, PT Profile, PT SocialMedia, and PT Tags apps have been updated since the last CommonSpot releases. Upgrade instructions and release notes are here:

Blog v4.5 App: <https://community.paperthin.com/adf-docs/index.php/Blogs>

Calendar App v4.8: [https://community.paperthin.com/adf-docs/index.php/PT\\_Calendar](https://community.paperthin.com/adf-docs/index.php/PT_Calendar)

PageRating App v2.4: [https://community.paperthin.com/adf-docs/index.php/PT\\_Page\\_Rating](https://community.paperthin.com/adf-docs/index.php/PT_Page_Rating)

Poll App v3.2: [https://community.paperthin.com/adf-docs/index.php/PT\\_Poll](https://community.paperthin.com/adf-docs/index.php/PT_Poll)

Profile App v3.6: [https://community.paperthin.com/adf-docs/index.php/Profiles\\_Overview](https://community.paperthin.com/adf-docs/index.php/Profiles_Overview)

SocialMedia App v3.4: [https://community.paperthin.com/adf-docs/index.php/PT\\_Social\\_Media](https://community.paperthin.com/adf-docs/index.php/PT_Social_Media)

Tags App v3.3: [https://community.paperthin.com/projects/pt\\_tags/docs/index.cfm](https://community.paperthin.com/projects/pt_tags/docs/index.cfm)

If you are upgrading from an earlier CommonSpot release (10.8.0, for example), you should also review the ADF projects page

[https://community.paperthin.com/adf-docs/index.php/View\\_All](https://community.paperthin.com/adf-docs/index.php/View_All) and verify that you have the latest versions of any ADF applications you are using.

## 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.

## 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.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x which are available from:

<http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm>

Note that all issues noted as resolved in the 10.8.3 release notes are also resolved in the 10.9.1 release.

Recommendations and requirements for ColdFusion, Lucee, and MySQL settings can 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>



# Enhancements

Release 10.9.1 includes the following enhancements:

## Platform Support

Added support for the Following platforms:

- Lucee 5.4.6.9
- CommonSpot ADF (Application Development Framework) 2.7

## Local Custom Elements

- A new option is provided to allow administrators to block 'content reuse' for local custom elements. This option can be set in the 'New/Edit Custom Element' dialog from Site Administration >> Elements >> Custom Elements.

### New Custom Element

Enter the indicated information for the new custom element.



**Name:**

**Description:**

**Category:**    
Select the category under which the custom element will appear in the Element Gallery.

**Type:** ☒ **Local Custom Element**  
Data can be viewed on multiple pages, however editing is restricted to original page.  
Data is versioned and if a workflow is defined will not be published until it is approved.  
☒ **Enable Content Reuse**

☐ **Global Custom Element**  
Element data can be viewed and edited on multiple pages. Data can be edited from any location, and is updated instantly. Data is not versioned nor can it be routed through a workflow for approval.  
**Note:** Global custom elements are not full text indexed by default. If you want to index the custom element, enable full text indexing in the Element Search Index Properties dialog upon creating this element.

☒ **Check Spelling** ➔ **Next** ✖ **Cancel**

If disabled, the Render Properties dialog for the custom element will disable the two content reuse options, and display a message that the reuse capability is disabled.

## Render Properties

Please specify the options below to configure the render properties of the custom element.



### Render Mode:

Please select the rendering mode in which this custom element instance displays data.

- ☒ **Current Record**  
Renders the record last edited within this instance of the custom element. Allows for direct editing of this single record.
- ☐ **One or More Records - Based on Filter (Content Reuse)**  
Renders one or more records dynamically based on a filter, or all records.
- ☐ **One or More Records - Manually Selected (Content Reuse)**  
Renders one or more records based on manual selection and ordering.

Note: Content reuse for this Local Custom Element is disabled.

Save Cancel

## Quick Find

- A new section has been added to the Site Administrator > Site Properties / Settings > Report settings dialog to provide administrators with more flexibility regarding 'quick find' defaults and record set size limits, and max records for Image indexes.

## Report Settings

Please enter the following information to control how many records are returned and the default settings for certain dialogs/reports.



### Reports and Tools

Maximum Records:

Default Subsite Scope:

Default Order By:

Default Date Restriction:

Include Child Subsites By Default: ☐

### Quick Find

Default Records Per Page:

Default Subsite Scope:

Default Order By:

Default Date Restriction:

Include Child Subsites By Default: ☐

## Replication

- Replication administrators may now indicate that the list of subsites excluded from replication should also include all subsites which descend from the excluded list

**Edit Replication Scope**

Please provide the following information regarding the replication scope and actions.

Settings Subsite Exclusions

Please select the subsites that should be excluded from this replication.

☒ Also exclude all descendants of selected subsites

- issues
  - greek
  - private
  - reptest
  - rf
  - rf-objects

Save Cancel

## Reports

- Enhanced 'Pages by Link Reference' report to allow filtering by page type.

**Report of Pages by Link Reference**

The following pages meet the specified filter criteria. Click on the 'referring pages' link to see the pages that link to the page.

Subsite: /issues/ Include Child Subsites

Date Restrictions: None None

Types to include: ☒ Pages ☐ Templates ☐ Registered URLs ☐ Uploaded Documents

Select Date Options Show Filename

Date	Page Title	Referring Pages	Subsite	Actions
2025-02-05	<a href="#">Page1</a>	<a href="#">2</a>	/issues/	
2025-02-05	<a href="#">NewPage10</a>	0	/issues/	
2025-02-05	<a href="#">IssuesPage1</a>	0	/issues/	

## Link Dialog from RTE

- Added the ability to exclude specified subsites and below from link dialog invoked from within the the Rich Text Editor by setting the following variable in the servvars file:
  - `ServerInfo.ExcludedSubsiteList = "support";`
 Note only applies to the link dialog when invoked from the RTE.

## Notable Bug Fixes

The following issues found in earlier CommonSpot releases are resolved in this release:

### Bulleted List Element

- When attempting to edit an item in a bulleted list element (using the 'view all changes' editing mode), the user may see a hung 'loading...' message and thus be unable to edit the selected item.

### Cache

- When the 'renderForPrint' flag is used, the print-friendly version may be incorrectly cached and used when the standard rendering should be.
- Under certain circumstances, the cache is not cleared as expected if content is updated by API methods.
- Error details may be lost and unexpected log entries may be written if errors occur on pages when rebuilding cache or indexing.
- Eliminated a redundant cache rebuild in page activation when the activation state does not change.
- An error may occur when attempting to save cache settings for an individual element.

### Command API

- The `subsite.activate()` method triggers a "You have attempted to dereference a scalar variable of type class java.lang.Double as a structure with members" error message.
- Added `Page.saveLanguageCounterparts()` api method which saves for the current page the selected page's language as a counterpart.
- An error may occur when attempting to get page information via the `Page.getInfo()` command api method if the page's 'LastUpdateAuthorIDList' is empty or contains '0'.
- The command API method `ContainerElement.getList()` does not return data correctly if called within the same request on two different pages.
- Trying to add metadata for an image fails when saving from `images.createFromData()` and `images.createFomServerFile`.
- The command API method `Page.saveAsTemplate()` was saving the template in the subsite where the user is logged in, not in the subsite where the page was.

- The `uploadedDocuments.getReferringObjects()` method in the command API returned a redundant value for the 'SourceControlName' field. This method is now updated to return "ControllInstanceID:#ControllID#" instead of the filename. This change also applies to objects such as pages and page sets which also implement the 'getReferringObjects' method.
- `getInfo(pageID)` method was updated to suppress attempts to include 'anonymous users' when listing users who have updated the page.

## Contributors

- When trying to remove contributor rights of a user and reassign content ownership to another user an error message, "the user ID is not valid" may appear.

## Custom Elements

- When using a date field to filter in custom element instances, the 'Greater than or equals' comparison may not yield the expected results.
- When configuring a 'multiple checkboxes' field, the setting for 'rows/columns to display' may not be saved.

## Custom Script Element

- Users may encounter problems when specifying an explicit path to a custom script module from a location other than the current subsite.

## Datasheet Element

- When a datasheet element is set to have JavaScript sorting enabled, clicking other columns sorts the data for a brief moment and then the page reloads back to the default sorting column.

## Element Move

- Duplicate element errors may occur when moving elements via drag/drop within a container or to a different container. Also, after this occurs the error message can't be removed.

## Extended URL Field Type

- The CommonSpot Extended URL field will display as an option "Bookmark on Current Page" even when the field is configured to not show the CommonSpot page as an

option. Also under certain circumstances a crash would occur trying to create a new page from a template from a CommonSpot Extended URL field.

## Full-Text Search

- Customized Solr schemas with 'boolean' fields may incorrectly return '0' or 'false' for 'true' values.
- Search results for Global Custom Elements may include incorrect target URLs if more than one Global Custom Element type is included in the result set.
- Quick Find may fail with a timeout error if the full-text search engine is not available, even if full-text search is not requested.

## Image Element

- Updated the Image Properties dialog error message for alt text to display the correct size limit for the field.
- When editing a 'single image' element, users may be able to update the 'header' field when the element is configured to not display the header.
- When saving image properties, the selected unit for image height and width may not be saved correctly.
- Under certain circumstances, sizes may not display correctly in the 'Image Summary' dialog.

## Image Gallery

- Image galleries created via the 'image gallery' API may have incorrect 'rules' values if size restrictions are selected.
- Saving an image would fail with a filename that has a '.' included in the filename, excluding the '.' for the extension.

## Link Bar Element

- When adding a link to a linkbar element as an unregistered link with a pipeline ('|') character, a crash occurs.
- Saving a linkbar item where the url is more than 255 characters, did not save nor throw an error.

## Link Management

- An error may occur when a user is approving content, particularly if the user has 'Approve' permission but does not have 'author' permission for the content.

## Login

- Logins validated by custom-authentication.cfm may result in an unexpected error message, even though the user has successfully logged in.
- After installing Adobe ColdFusion 2021 updater 13, error messages may not be displayed when a user login fails (due to incorrect password or other reasons).

## Metadata

- When a 'Multiple Checkboxes' field is used in a custom element or metadata form, the checkboxes may not be rendered with the selected alignment.
- After upgrading ColdFusion 2021 to Update 14 or later, when creating a metadata form, users may encounter 'method not found' errors for 'ReplaceAll'.

## Multimedia

- When downloading one or more YouTube videos via CommonSpot, the pending items may be missing from the 'Pending Multimedia' report.

## Other

- Under certain circumstances, pages with a large number of links, would cause the link validation to hang when invoked. Also, when the page was submitted it would fail since publishing triggers link validation.
- When changing a link reference of an uploaded document via the CS menu UI or in a Formatted Text Block it is possible that the reference is not fully updated and will still link to the previous/older document.
- Under certain circumstances all of the fields in the Page Details panel of a page's left side panel are empty.
- If a search result set contains a huge number of items, the back-end database may not have sufficient resources to process the result set.
- A javascript error occurred when unchecking the checkbox and clicking on the Text menu option in Text Around An Image > Layout Properties > Permit rich-text editing dialog.
- 'Uncaught TypeError: thismenu is null' error would occur when trying to invoke the mouseover action > Show Pop-Up Menu.
- Pagination may not be available for 'quick find' search results.
- Migrating a database to a new server may fail due to inconsistent column definitions.
- Under certain circumstances, at startup certain errors, including bad or expired license keys, outdated JVM or CF engine versions, etc, are not handled gracefully, resulting in apparent hang without any messages displayed.

## Page Metadata

- Diagnostic messages have been improved when creating a page for cases where a non-unique title is detected.

## Quick Find

- Users may encounter 'missing column' errors when attempting to sort results from a 'Quick Find' search for images
- When using the 'find' utility, an error may occur if the user doesn't explicitly specify a 'date' filter.

## Rich Text Editor

- Suppress 'unsafe' message seen by all users after upgrading CKEditor to version 4.22.1.

## Replication

- If a replication packet is re-applied (i.e. after an error occurs), replication may fail again if the packet contains instructions to delete a subsite.
- In a replication configuration, if more than 1,000 objects have been deleted since the previous replication, the replication process may fail to complete due to an 'array index out of bounds' error.
- Replication may fail in certain situations where one or more subsites have been deleted.

## Reports

- Page reports may fail if one or more included pages includes '%' in the description.

## ROPS (Read Only Production Servers)

- An error in handling requests in the 'RemoteRequests' table may block processing for all (shared-database) read-only instances.

## RSS Feeds

- Under certain conditions, creation of an RSS feed may fail.

## Schedule-Personalize Element



- After installing ColdFusion 2021 Updater 13, authors are unable to update schedule criteria in the 'schedule/personalize' element

## Schema Update

- Sites using Microsoft SQL Server databases may experience errors when upgrading from an earlier CommonSpot release. Specifically when trying to populate the "history\_\*\*" tables.

## Search Results Element

- An exposure has been discovered whereby a rogue actor can make use of a CommonSpot module to cause a redirect to an arbitrary target URL.
- In the 'Search Results' element, the 'Display most popular search results at top of results' option had no effect.

## Security

- CommonSpot has been updated to be compatible with all recent Adobe ColdFusion security updates, including changes in the default encryption algorithm used by encrypt/decrypt, the way ColdFusion processes references to variables, and changes to wddx2cfml.
- When using the 'privileged module' feature, if a cache rebuild is triggered, the extended privileges are revoked prematurely. This could result in unexpected 'permission denied' errors in any subsequent method calls.
- Users may encounter a validation error when using the 'enableEnhancedPrivileges' and 'getUpdaterInstance' methods, in a windows environment.
- Due to security concerns with jQuery 3.5.1, CommonSpot now uses jQuery 3.7.1 and jQuery UI 1.14.1 for its UI.

## Simple Form Element

- When using a 'section text' field in a custom element, anchor tags and dynamic fields may not work as expected.
- When editing the 'action' message for a simple form, dynamic fields may not work as expected.

## Site Creation

- Under certain conditions, new site creation may fail with a SQL syntax error.

## Stub Files

- Under certain conditions, in a shared database environment changes made to a page on the authoring server were not reflected on the ROPS. The RemoteRequests table was not being processed correctly.
- Page stubs may be rewritten more than once when using the 'clear and update cache' utility.

## Subsite Administration

- Extended characters (multi-byte UTF8) may not be handled correctly in some circumstances. These cases include deletion of a subsite where the name includes one or more extended characters, but are mostly limited to unicode characters which require a 4-byte representation in UTF-8.
- Error occurs when accessing the 'Content Security' dialog from a 'Subsite Administration' page.

## Text Block Element

- Under certain conditions, in a formatted textblock, clicking a CommonSpot field value field or multimedia failed to open the associated dialog. Also, under certain conditions, images were not correctly displayed or sized in a formatted text block.

## Tree Navigation

- In Site Administration > Tree Navigation, when using the 'Add page as new child node' option, the new added node page was added as a new root node and not a child node.

## Uploaded and External Documents

- When trying to move an uploaded document into a subsite that does not already have any upload documents an error occurs.
- An error may occur when updating the expiration timestamp for an uploaded document.

## User Administration

- After upgrading, when going into user administration, depending on the user selected, the Edit User Information dialog may not appear and the screen will just show the loading screen.

## Utility Functions

- Users may encounter an error when migrating a database to Oracle, or when upgrading a site which uses an Oracle database.
- Migration of CommonSpot site data may fail to complete with a SQL Server back-end database.

## **Validation**

- Added validation for the email address field in the Edit User Info Dialog.

## **Version History**

- Under certain conditions, clicking on View Comment History from the Left Pane of a page crashes on Adobe ColdFusion.
- In the Left pane, the Page Versions section was incorrectly showing page creation records outside of the date range filter.
- Errors may occur when saving a new version of a CommonSpot element. This issue resolves an underlying issue which could cause an incorrect (and conflicting) version ID to be assigned to the update, resulting either in an immediate error or in a PK violation error when the content is edited again at a later time.
- In some cases, a newly-added element within a container may be missing.
- Error may occur when reloading a page with the 'page versions' pane open

## **XML Publication**

- When deleting an XML publication, the process may not appear to complete as expected, as the dialog was not closed.