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About this Document

This document summarizes the following for the CommonSpot 10.5.0 release:

- Enhancements
- Notable Bug Fixes
- Important Notes
- 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.

Special Upgrade Offer

We know that upgrading doesn’t always fit into the schedule. It takes a lot of manual coordination and effort to test the upgrade to make sure things are still working fine. We have a special offer that can help you upgrade, and eliminate this manual effort.

In addition to this release, PaperThin is in the final beta stages of a new cloud-based 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 each screenshot, 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 site’s behavior.

So here's our offer, if you are interested in upgrading in the next two months, we’ll make available to you our new WebSite Upgrade Tester tool free of charge for two weeks. Simply contact your Account Manager or PaperThin Support and let us know when you might want to upgrade.

For more information on our new product see [https://www.websiteupgradetester.com](https://www.websiteupgradetester.com).

**Enhancements**

Release 10.5.0 of CommonSpot includes the following enhancements.

**Accessibility Improvements**

- The accessibility of CommonSpot Simple Form elements and summary pages has been significantly improved, both when using the default layout as well as a custom layout.
  ** See Important Notes for related changes you may want to make to any custom field types you have written.
- The `<html>` tag for CommonSpot pages now has the required ‘lang’ attribute.
- Several of the default implementations of CommonSpot hooks that display a notification now conform to accepted accessibility standards. Those include the pages shown when an anonymous visitor attempts to view an expired or inactive page, or one in an inactive subsite, and the page shown when an uploaded document cannot be retrieved.
- Inline styles and Presentational HTML attributes in CommonSpot elements have been replaced with CSS classes.
- For this reason and others, all classes that used to be in the out-of-the-box /[Root Subsite]/style/default.css style sheet have been moved to /commonspot/site-default.css. CommonSpot used to place default.css in your site root /style/ folder upon site creation, which made it impossible for PaperThin to update the default page styles for a new release. This release automatically converts any Style Sheet Sets that include default.css, to load /commonspot/site-default.css instead. See Important Notes below for a full explanation, and actions you may need to take.

**API**

- Customization API for interfacing to Solr search engines has been updated. In particular, the rules for the 'prepareQueryString' method have been updated - this method is now responsible for any escaping in the 'criteria' field, and is responsible for including the 'q' parameter (if used) in the return value.

**Browser Support**

- CommonSpot no longer forces Internet Explorer 10 and 11 into compatibility mode, allowing it to use its most up-to-date rendering and behavior.
Drag-and-drop reordering in various dialogs didn't work in Chrome under some circumstances. See User Interface Updates for more information.

Improved compatibility with Microsoft Edge.

Container Element Properties

- Added new option 'No container class' to Container element’s Type drop-down in Layout Properties dialog so you have the option not to load default or custom (such as a Bootstrap class) classes.
- New in CommonSpot 10.5 is the ability to style the Background image with these options:
  - Background Position: inherit, left top, left center, left bottom, right top, right center, right bottom, center top, center center, center bottom, initial
  - Background Repeat: inherit, repeat, repeat-x, repeat-y, no repeat, initial
  - Background Size: inherit, auto, length, cover contain, initial

Custom Element/Simple Form/Custom Metadata Form

- The Formatted Text Block field in any custom element has an updated properties dialog with more clarity when editing the Toolbar Settings for your custom element.
- Several dialog title changes to be consistent with menu/dialog name conventions
- Selection List, Radio, and Multi-checkbox fields can now have separate display and saved values for each option. For example: red=1, white=2, blue=3 would show the select list options red, white, blue but save 1, 2 or 3. You can choose the separator character between the display and saved values, to accommodate the texts being used.
- For greater clarity, the Other Properties tab for a custom element Select List field will now render manually entered options list data one value per line if a carriage return is detected. To further assist in viewing large value lists, the text area may be sized via the [Smaller] and [Larger] buttons to the lower right of the text area.

Element-level Cache Control

- Added new 'Element Cache Settings' menu option to element menus to provide fine-grained control over an element's cache, print and search settings. Many of the cache properties that were only configurable via code are now available via the User Interface.

Element Style Dialog

- CommonSpot now shows the default classes in the Element Style dialog for each subcomponent, making it easier to reference the appropriate CSS classes to control their display. This updated interface includes visual indicators to differentiate those classes that are the defaults versus those that have been overridden by user assigned classes.
Export/Import File Control

- When importing an exported object, you can now control whether to use your existing resource files or update them with the files contained in the packet. And similarly, any non-resource files, such as render handlers or custom field types, you can choose whether to copy over these files as well.
- When exporting a Custom Element or Metadata Form you can specify a ‘post import’ script that will be executed as the final step in the import process.
- When exporting a Custom Element or Metadata Form, CommonSpot will now remember your settings and any auxiliary files. These settings will be restored as the default when exporting again.
- Auxiliary files, such as ReadMe.txt and ‘post import’ scripts must exist on the server creating the export packet in order to be included in the packet. The Tools > Upload File utility may be used to place the auxiliary files on the server.
- You can now combine multiple exported packets into one zip file and distribute that file for import. Simply export the components that you want to combined, and then zip each of their zip files together.
- There is now an ‘Import Packet’ menu option under the Site Administration > Utilities menu. From this menu option you can import a packet with multiple sub-packets, and the user interface will unzip the main packet and display a listing of the contained packets. From here you can import each sub-packet by following the appropriate import dialog chain based on the type of object (custom element, metadata form, render handler, custom field type). Note you can Import stand-alone packets from here as well.

Heading Element

- The element components shown in the Heading element Style dialog and the ways they're applied have changed.
- The top-level component is now Heading.
- The classes assigned to the Label Text component are applied to the text of the Heading element itself.
- The classes assigned to the First Letter component are used only by numbered Heading Levels and the 'Circle with line' Special level. For best compatibility with the old-style Special heading levels and the stylings they use, numbered Heading Levels ignore the specific default class 'CS_Label_FirstLetter', whose default white text is inappropriate for most sites. Any other assigned classes will be applied.
- The classes assigned to the Heading Element component are not used by any built-in CommonSpot rendering.

HTTPS Support

- Use of CommonSpot in an https-only environment is now fully supported.
  - CommonSpot installation may now be done without using insecure connections.
  - Mixed-content errors have been eliminated in multimedia elements which refer to YouTube or BrightCove content.
  - Replication can now be configured with read-only servers which only accept https requests.
  - Background tasks now are supported in an https-only configuration.
  - Links of type 'Unregistered URL' are now rendered correctly in 'CommonSpot Extended URL' fields when the target URL uses https.
The ‘Redline Comparison’ feature now supports mixed content under https.
References to external resources have been updated to use https wherever possible.

Image Gallery Improvements

- Image size options have been updated to include ‘Any Size’, ‘Height and Width’, ‘Height Only’ or ‘Width Only’, allowing gallery owners additional control over image sizing. It is now possible to define a Width and/or Height Range for the Primary Image Size when there are Size Restrictions applied to an Image Gallery. For example, if your gallery image sizes are restrained by Width Only, you may want to allow images for the largest/primary image size to be between 200 and 250 pixels wide. You could have image sizes something like this:
  - Primary Size: Width Between 200 and 250 pixels.
  - Width = 150 pixels
  - Width = 100 pixels.
Similarly, you could have a Gallery with size restrained by Height Only to be:
  - Primary Size: Height Between 71 and 83 pixels
  - Height of 55 pixels
  - Height of 37 pixels
You may also have both Height and Width defined in a Range, such as:
  - Height between 100 and 125 pixels
  - Width between 75 and 100 pixels

- Previously, users were able to choose “No Default Subsite” or “Default Subsite” for uploading new images into a Gallery. A new third option, ‘enforced’, has been added to the ‘Subsite’ property for an Image Gallery, allowing gallery Administrators to enforce image uploads to a specific subsite.

- Users with ‘design’ rights for various elements that encompass images (single image, image index, text-around-image, etc., as well as image fields in custom elements) may now restrict image selection to a specific gallery for an individual element.

- Image editing functionality has been updated to improve usability. Images are now scaled to fit by default and when an image is larger than the defined allowable size a cropping rectangle is displayed allowing you to more easily specify the portion of the image to use. Additionally the cropping tool now appropriately restricts its rectangle based on the defined ranges and adjusts with the image scaling.

- To assist in making better choices, cropping an image will now adhere to constrained Image Gallery sizes. Using the gallery’s specified image sizes, the cropping tool rectangle border changes color depending on the situation. The cropping rectangle color is green if the selection will not be sized larger or smaller, blue if the selection will be sized down or red if the selection will be sized up. Sizing up is not recommended due to the likelihood of the image becoming grainy.

Link Management

- Edit Link dialogs now have a button to “Upload New Version” when the link points to an existing document. This both enhances the interface to make it more streamlined and intuitive and corrects some behavior that led to some link metadata being lost under certain circumstances.

- Registered URLs when used inside a Rich Text Editor would not always update properly when the Registered URL was changed. The Rich Text Editor would sometimes render the old link.
Multimedia

- Videos can now be directly embedded into the Rich Text Editor
- You can now specify a width of 100% in the Multimedia Player dialog to support responsive video players.
- CommonSpot now retrieves the largest sized video thumbnails from Brightcove and YouTube instead of the smallest. See the Knowledge Base article at www.paperthin.com/support/knowledgebase/articles/multimedia_thumbnails.cfm for information on how to regenerate your video thumbnails, if desired.

Multimedia - Updated Brightcove Support

- Brightcove changed how it manages its video players. Any old style ‘smart’ players will stop working after December 31, 2017. You will need to convert or map these players to the new ‘Brightcove players’. Please see the Brightcove support site for more information.
- This version now supports the new player format. You will still need to register your Brightcove players in CommonSpot, however you now will simply select the appropriate player from a list of available ‘Brightcove players’. Existing old format ‘smart’ players can still be edited, but we recommend replacing them with a new player.
- There are new Multimedia Render Handler samples in the \commonspot\samples\renderhandlers\multimedia\ folder.

New Platform Support

- This release adds support for the following platforms:
  - Windows Server 2016
  - Lucee 5.2.2
  - MySQL 5.7
  - Microsoft SQL Server 2016

Override Fields in Locked Object

- You can now override the properties of a field in a locked Custom Element or Metadata Form without having to unlock the imported form.
- This enhancement makes it easier to reuse exported objects. For example, say you had a Custom Element that had a ‘color’ selection list field with values Red, Green Blue. If you wanted to instead use colors in your palette instead, you would have had to unlock the Custom Element in order to edit the properties. Now you can simply override the properties for the Color field, keeping the element locked.

Query by Example

- In an effort to simplify the configuration of the Query by Example element, the Form Action now defaults to the current page, which is how the QBE is used most of the time.
Rich Text Editor

- A new Multimedia icon in the Rich Text Editor’s toolbar allows videos to be directly embedded in the Rich Text Editor. You can choose videos from your YouTube or Brightcove channels, or embed locally hosted videos.
- The UI to customize the Toolbar and Source Code options for a Formatted Text Block field in a Custom Element has been updated to be more intuitive.

Simple Form Enhancements

- Additional Simple Form and Simple Form Summary components are now displayed in the Styles dialog, allowing you to control their appearance by applying custom CSS classes to them.
- Simple Forms now support having a Render Handler to control the classes output when rendering. **See Important Notes section below.
- Certain Layout Properties now have a ‘Set by Styles’ option, which tells CommonSpot not to generate any CSS for those aspects of the form, allowing your style sheet(s) full control.
- Empty width and padding values in the Layout Properties dialog are now allowed, to facilitate control via style sheets.
- Field descriptions are now rendered inside the control container, for improved compatibility with Bootstrap and other CSS frameworks.
  - Note that this obsoletes any class assigned to the FormFieldDescriptionContainer element component, instead the Description class is used.
  - If you have a custom field type renderer that overrides renderStandard() it will need to be updated to be consistent with CommonSpot field types. Refer to the CommonSpot version of that method, in /commons/public/form-field-renderer-base.cfc.
- CommonSpot now renders the proper ARIA attributes and HTML structure when using a Custom Display Template for a Simple Form.
  - NOTE: If you're upgrading from an earlier release, and are still using an old copy of CommonSpot's default.css stylesheet in your site's /style/ directory, you may want to remove vertical-align:baseline from these three CSS classes:
    - .CS_Form_Label_Baseline {text-align:right; vertical-align:baseline;}
    - .CS_Form_Required_Baseline {font-weight:bold; text-align:right; vertical-align:baseline;}
    - .CS_QBE_Label_Baseline {text-align:right; vertical-align:baseline;}
- Added the ability to specify a Title for the Summary page.
- The Summary page is now responsive (div element not a table element). It also shows the Edit and Submit buttons on the same line. Since the layout of these pages is very different now, you may want to review all your forms appearance, and possibly adjust or add to the relevant styles, which have changed to provide control over the new layout.
- New options for tab labels in multi-page forms and the Summary page, using configurable HTML tags.
- When submitting to an action page, CommonSpot now passes the FormID and the new data DataPageID for use by custom code running there. They are available as the form fields simpleForm_FormID and simpleForm_DataPageID.
- As of early October 2017, Google no longer supports Version 1.0 of the reCAPTCHA API. This release now uses version 2 of the reCAPTCHA project, which is more advanced, and easier for site visitors in
most cases. Please see Important Notes for actions you MUST take for reCAPTCHA functionality to work in releases 9.x and later. **Failure to do so will prevent all Simple Forms with a reCAPTCHA field from submitting.**

**Shared Database Configuration**

- CommonSpot now supports the ability to specify which Read Only Production Server a site synchronizes to, allowing different sites to be served from different ROPS. During installation of the ROPS, you choose the site(s) that you wish to be served from that server.
  - If you wish to leverage this capability for existing sites on existing ROPS, contact Support.

**Social Media Updates**

- Facebook authentication integration was updated to comply with the new Facebook API changes.

**Startup Logging**

- CommonSpot now supports logging of the Application.cfm processing and writes timing information to the error log if startup takes more than a specified time. Check with Support if you are seeing slow startup times for how to enable the logging.

**Upgrade Error Handling**

- Reporting of errors during the upgrade process has been improved.

**Utilities**

- Site Utilities > Rescan Image Sizes now checks for missing alternate image sizes for Galleries with multiple sizes (primary and alternate(s)), and recreates them if missing, as long as the primary image size is present.
Notable Bug Fixes

Browser Compatibility

- Corrected an issue with the Microsoft Edge browser behaving strangely during logout.

Cache Management

- 'Stale Cache' items were not handled correctly if the background job was not run for an extended period of time, and items might not have been distributed evenly among available servers in a shared-database cluster. Improved handling of stalled items in stale cache queue.
- The 'Stale Cache' background job did not update cache for elements which were not readable by 'anonymous'.
- Clearing the default style for an element did not take effect until a ColdFusion/Lucee restart because the in-memory cache was not cleared properly.
- In certain circumstances, page-level cache may be created with references to resources which should only be included when rendering for author mode.
- Fixed an issue where stub file rebuild may not happen when needed.
- If rendering depends on custom page metadata, cache may need to be cleared manually for metadata updates to be visible.
- Link to uploaded document that has a new version was not updating due to a missing cache clear.
- Cache rebuilds and reindexing may fail if client variables are enabled.
- Invoking the ‘Clear and Update Cache’ menu, under certain circumstances did not fully clear the cache. It now appropriately clears the cache and causes the stub file to be rebuilt.
- 'Clear & Update Cache' sometimes did not update cache as expected on the first attempt.

CKEditor

- Attempting to run the CKEditor code locally would fail because CKEditor changed the name of it’s default skin.
- The sizeID attribute for an image (related to image galleries) was incorrectly parsed, resulting in a non-numeric value being passed to the image-summary dialog. It was throwing an error when it tried to get the image by gallery ID.
- CommonSpot was not removing unwanted tags (script, font, iFrame, etc) as specified in the Rich Text Editor settings.
- Rich Text Editor Toolbar customization code was not saving properly.

ColdFusion 11

- ColdFusion 11 put a restriction on which file types CFMODULE could call by restricting it to CFM file types only. We adjusted for that when ColdFusion 11 was first released. Another instance was found and corrected where your site uses HTM as the default file extension for ColdFusion files.
• Applying Adobe ColdFusion Update 11 caused a query grouping malfunction because of changes in the isDate() function.

**Container Element**

• Under certain conditions the Container Layout properties dialog might not open with "Ambiguous column name 'ControlID'" error.
• 'Save as Element' failed for Container and Schedule elements. Attempted to use a saved container also failed. With many contained elements, IDs were wrong and content was missing.
• An error occurred moving Element from Tabular Layout to Container.
• Under some circumstances, dragging items in the Reorder Elements dialog failed due to a Javascript error.
• Grid Row Manipulation fixed when attempting to change the order of the columns from within the Container on the page or template.
• The Grid Row feature to “Add Row Below” was not working as expected. This feature is only available when the Left Pane is open with the Grid Row Layout section active. Right click on any of the “Insert new element” links for a menu of Container and Grid Row options.
• Deleting a Container that had one or more elements in it would delete the elements instead of deleting the container. Though the expected behavior is that you would also delete the elements within, we now present a message saying that all elements must be removed before the Container can be deleted.
• Changed the borders around the Container element in Author mode to be a 1 pixel wide dashed line on the top border, making it consistent with the other borders.

**Custom Authentication**

• Successful login reported by custom-authentication.cfm may not be handled correctly.

**Custom Element**

• CommonSpot Command API FieldTypes component getUsage() did not work as expected.
• The CS Extended URL field would not save the image data when an image was selected. The form thought no image had been selected at all.
• A CS Extended URL field link was clickable in the Custom Element in author mode and would open the target in the edit dialog.
• Improved performance deleting Custom Element records
• Importing a Custom Element may fail with “Element DataManagerUniqueField is undefined in a CFML structure referenced as part of an expression” error.
• An error may occur when attempting to update content reuse filter parameters for custom elements defined with CommonSpot releases earlier than 9.0.
• When importing a custom render handler, the newly-imported handler incorrectly became the default for the element type.
• Custom Element fields of type Extended URL link set to open in a new window did not have the JavaScript code to do so.
• Custom Element fields of type Formatted Text Block links to uploaded document failed in Site Admin > Elements & Forms > Elements > View Data dialog.
● Custom Elements that included a comma in the name transferred the name, including the comma, to the primary tab in the custom element. The comma in the tab prevented the custom element from behaving properly. CommonSpot now removes unwanted characters from tab names automatically.

● Errors may occur when decoding certain image data. Image field in a custom element presented "brokenImage(0)" in place of the image name upon re-entry to dialog after picking and saving the image.

● Editing or deleting a custom element with one or more inactive custom field types would fail.

● Export of Custom Element failed because of a missing temp directory under \commonspot-data.

● Improved status reporting for a specific case where a custom element can't be cached because one or more fields are not viewable by anonymous users.

Datasheet Element

● A datasheet with multiple views that had a comma in any of the view names prevented reordering of the views.

Generic Render Handlers

● Add the ability to map a unique ID for each item in a Link Bar or Tab Bar element to a field in the Generic Render handler mapping dialog.

● Under IE Edge browser, adding a generic render handler did not update the listing. A manual refresh was required.

Images and Image Gallery

● The CS Extended URL field would not save the image data when one was selected. The form thought no image had been selected at all.

● Image fields included in page-level metadata (custom metadata forms) sometimes did not resolve to the correct image when a new version is uploaded.

● Attempting to add image to 'main' image gallery may result in a crash. Unable to upload a new image. Error: IMAGEGALLERYSECURITY is undefined.

● Various errors may occur after a subsite is deleted if one or more image galleries specify that subsite as the default.

● Resolved a database query error for a data type conflict that prevented the Referring Pages dialog for Images from opening.

● The 'image' API method 'getInfo' threw an exception if called with a 'private' image.

● Previously, an Image Index element with Advanced criteria mistakenly also honored the gallery criteria from the Standard page. You may want to revisit any image indexes for which this may apply.

● Custom metadata fields were not shown in Find Images advanced search.

● An Image Index set to use Advanced filtering options also honored the Gallery setting from Standard filtering. If these settings were in conflict, no images were found.

● Editing an Image saved search didn't show the Gallery filter saved with the search. Running the search from the edit screen or resaving it lost the selected gallery.

● When a new image version is uploaded (or an image is reverted to a previous version), manual cache clears may be required for the image change to be visible.
Installation

- Certain installation errors may not be reported or logged correctly, such as using an unsupported version of Java.
- Corrects problems during Installation where symlinks are used. Additional logging added.

Language Sets

- Updates to language sets did not take effect without a CF restart

Link Bar Element

- Database errors (PK violations) may occur when editing 'Link Bar' or Page Set Navigation elements.

Link Management

- Link rendering updated to eliminate 'setStatbar' calls in JavaScript - this eliminates onMouseOver and onMouseOut attributes in most anchors, for 508 Compliance.
- Dialog would hang when using the 'Create New Page' link option.
- Links to uploaded documents set to open in a new window would lose the NewWindow JavaScript code when a new version of the document was upload via the Reports dialog.
- Updated link references report to better track more link types. Links used as background images, page index manual selection, custom element RTE and Extended URL links etc., are now properly managed by CommonSpot.
- Editing an existing link in the Rich Text Editor where there should be pagination of the list of pages to choose from, did not render the pagination links.
- Link to uploaded document that has a new version was not updating due to a missing cache clear.
- Use of unregistered URLs containing '/'images/' may cause errors in some CommonSpot dialogs.
- Google Maps links (and any other links containing '@') did not render correctly.
- Links to anonymous-readable uploaded documents may render as 'getfile.cfm' links instead of pointing to the documents themselves, particularly in certain GCE fields.
- We were not reliably adding custom element links to link usage. Run “Rebuild Link Reference Data” to catch all the links. This is server intensive so run the tool at an appropriate time.
- There was an error uploading a new version of an uploaded document from the CommonSpot Extended URL field link dialog. We have updated the appropriate dialogs to include an “Upload New Version” button for existing links to uploaded documents.
- Updating a Registered URL did not always update properly for a link in a Formatted Text Block (CKEditor).

Logging

- In certain configurations, errors which occur very early in application initialization may not be logged correctly.
Multimedia Element

- Under certain circumstances, the Import from External Service dialog displayed duplicates and the Filter function threw an error.
- Inconsistent results when creating YouTube playlists. Playlist information was not updating properly.
- Some Multimedia related queries were not returning any results.
- Error occurred when a large video (> 2GB) file was uploaded.

PDF Element

- PDF Element dialog under certain circumstances would retain the old document when a new one was chosen.

Page Index Element

- When selecting Page Index documents using page metadata filter criteria with two word values it caused an error when rendering the element.

Page Management

- Attempting to create a page with an invalid name resulted in an error instead of useful warning message.
- Saving the Standard Properties dialog generated error: document.dlgform.AudienceCategory is undefined.
- Validation rules for page names are not consistent - extended characters are not allowed in page names when creating pages, and should not be allowed when renaming.

Query by Example

- Multi-select field with nothing selected would return nothing in the query results.
- Fixed JavaScript errors when certain settings were changed.
- Fixed error caused by certain actions during setup of the QBE that resulted in the element being hung with corrupted configuration data. The only solution was to delete the QBE and start over.

Query Engine

- Fixed query engine error under specific circumstances involving list data.

Referring Pages

- Several aspects of referring page links was not behaving as expected. Links to items in both standard elements and custom elements are not factored into referring pages reports.
Replication

- Replication may fail due to a bug in Adobe ColdFusion's CFZip implementation which appears to mishandle zero-sized files in some circumstances. Additional logging has been added to allow administrators to more quickly identify and eliminate problem files.
- Replication errors may occur if usage statistics are enabled. Also, usage statistics in multi-server configurations (replication or shared-database) don't include data from read-only servers.
- Crash in Replication if 'Page Data' is not checked.
- Replication may fail on a read-only server if a replication event starts (on the authoring server) before the previous replication event is fully processed (by the read-only server).

Responsive Design

- CommonSpot did not honor correctly the View Width property in the Responsive Breakpoints dialog.
- CommonSpot incorrectly rendered an inline style setting width to 100% if the Container element was set to have a type of Fluid.
- In the Site Administration > Responsive Design Settings dialog, for the ‘Basic’ row class field the description incorrectly stated to use the class of ‘row’ if using Bootstrap. This would cause elements with the container to render 15 pixels to the left of their container if the ‘basic’ layout was selected.

Review via Email

- Added support for a list (Request.RequestVarsToPreserve) of Request members to preserve when re-initializing Request scope.
  - Example: When using Application.cfc to set variables in Request scope, the variable Request.RequestVarsToPreserve (comma-delimited list of field names) can be used to list Request scope members which should not be cleared when CommonSpot needs to initialize Request scope more than once in a request (such as when rendering for 'visual difference').

Rich Text Editor

- When a Rich Text Editor is displayed in a maximized dialog, it is now resized to take more real estate, making it easier to edit large blocks of text.
- Uploading a new version of a document from within the RTE did not always update as expected.

Schedule/Personalize Element

- Scheduled Element default item was not displaying as expected. The default item was randomized rather than the first item to meet the criteria.

Scheduled Item
A leading or trailing space in a variable name for a scheduled item (user error) would cause a crash in rendering. Examples: a scheduled stylesheet, a scheduled element in the Schedule Element or a Container.

Scheduled Task
- Users were unable to create a scheduled task for performance analysis because the option to create the task was missing.
- Scheduled job properties and schedule updates may fail due to incorrect permissions requirements.
- A scheduled job configured to run a custom script was logging an error, even though the script ran successfully.

Search
- Unexpected results when selecting 'all' for the items-per-page option in a search form.
- Search Results element Featured Results now honors the 'Restrict Results' drop down, allowing control over whether search results are restricted to pages viewable by anonymous users, pages viewable by the current user, or unrestricted. Note that the default setting is unrestricted, so you may need to modify your search results element settings if you want to restrict Featured Results in this way.
- Changes to search engine settings did not take effect without a ColdFusion/Lucee restart.
- Reindexing a full-text collection may cause a large number of stray log entries to be written.
- Full-text (Solr) configuration may be saved incorrectly. Directory paths are assumed to include trailing slash, problems can occur if it's missing.

Search Analytics
- Search results may crash if the 'ItemsPerPage' URL parameter is set to an unexpected value.

Security
- Helper function could have been used to cause unauthorized redirection.
- The login button to launch the login dialog when an Inactive Subsite was encountered was not working.

Shared Database
- In a shared-database/shared-file system environment, stub rebuilds caused significant extra traffic on RemoteRequests table, which could cause database deadlocks.
- In shared-database configurations, files in directories not covered by device mappings (Server-level Shared Database Configuration) were not replicated to read-only servers and no warning was given. Also, server-level settings updates which result in changes to servervars.cfm did not take effect on read-only servers until after a ColdFusion/Lucee restart.
Simple Form

- The Summary option for the Simple Form incorrectly escaped the pipe '|' character into the broken pipe '¦' character in the process of putting the data into hidden fields while rendering the Summary. This broke link code to images as we expected '|' and could not parse it correctly.

Site Creation

- Newly-created sites may not function correctly in a multi-host environment.

Spell Check Dialog

- The Spell Check dialog now provides horizontal scrolling of the affected text. Before, under certain circumstances the text area would push out the spell check button so that it was hard to accept, ignore or all flagged words without scrolling.

Startup

- Errors may occur in requests made shortly after a ColdFusion/Lucee restart.
- CommonSpot was presenting an uninformative message if attempting to start CommonSpot with an unsupported CFML engine.
- Corrects a problem where various search related errors were seen after ColdFusion/Lucee restart.
- Additional logging for Application.cfm processing to write timing information to the error log if startup takes more than a specified time (default 5 seconds).

Style Sheets

- Crash showing Style Sheets if scheduled by 'All of the following groups'.

Subsite Administration

- Breadcrumb links on Subsite Administrator pages were only available for users with Subsite Administration permissions.

Take Ownership

- Element Take Ownership Errors caused by invalid data in underlying query.

Templates

- Corrected a crash which would occur for a page derived from a template, if the template had been moved to a different subsite and the original subsite was deleted.
Tree Navigation Element

- Links in tree navigation elements were not correctly updated to reflect new uploaded document versions.
- When a different tree was chosen in an existing Tree Nav element, any associated Render Handler was released and had to be selected again.

User Interface Updates

- In the Standard Properties dialog, the label ‘Audience’ and value ‘All Users’ have been removed. This was an unused setting. We also corrected a JavaScript error that was looking for the ‘Audience’ value.
- Orange action buttons Submit and Activate disappeared in Work on this Page mode after returning from Preview mode.
- The View Page as Published option was not working as expected in some cases.
- Sometimes the normal Properties > Custom dialog wasn't always sized correctly. Custom Metadata dialog was sized too small to be used after a page move.
- Any place in CommonSpot where rows can be dragged vertically to reorder them, you'll now see the same icon. In most cases you can drag the entire column where it appears, even when other information is shown there. In other cases, only the icon itself is draggable. When you hover your mouse over the draggable area, the cursor will indicate that. This provides a consistent interface to drag rows, and corrects a Chrome specific bug that interfered with the action of buttons inside sortable areas.

Upgrade

- Upgrading from an earlier release may fail if certain internal data formats were present.
- Upgrade may fail if certain types of inconsistencies are found in the schema.
- Upgrade required Administrator Login to continue.

Uploaded Documents

- An uploaded document after having a new version uploaded or reverting to an older version did not always update links to that document.

Version History

- The Uploaded Document Version History dialog was rendering the link to the previous versions incorrectly.
- Under certain circumstances you were not able to revert deleted elements.
Important Notes

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, 10.0.1 and 10.0.2 Release Notes, 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

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

- Windows Server 2016 is now supported with this release.
- Lucee 5.2.2 is the only version of Lucee supported with this release.
  - If upgrading from earlier versions of Lucee, it is possible to have unwanted .jar files that will cause problems. See Lucee Configuration Requirements for details.
- MySQL 5.7 is now supported with this release.
- SQL Server 2016 is now supported with this release.
- Support for CKEditor 4.8.
  - Go to Server Administration > Rich Text Editor Settings > Directories and click this link - CDN help page for CKEditor - to find the latest information to update the CDN path in this dialog.
- For specific details on platform support please visit http://www.paperthin.com/support/tech-specs.cfm.

Desupported Features, Versions and Releases

- The Static Content Generation feature is no longer supported.
- Adobe ColdFusion 10 is no longer supported.
- Solaris OS is no longer supported.
● Lucee 4.5 is not supported with this release.
● CommonSpot 8.x will be desupported after January 20, 2018.

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/Lucee. 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 & Other Utilities

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

Default Style Sheet

● If you loaded default.css in any of your Style Sheet Sets, during upgrade CommonSpot will change those references to point to /commonspot/site-default.css instead. The copy of default.css in your site will not be modified, BUT IT WILL NO LONGER BE LOADED ON ANY PAGES.
● If default.css was not used, you can skip the rest of this section, it does not apply to you.
● If you have not modified the copy of default.css in your root directory, and it is relatively recent, you also may not need to do anything, because /commonspot/site-default.css will perform the same functions as your old default.css, just improved and updated.
● If you are using default.css, and HAVE modified or your copy is old, we STRONGLY suggest that you perform the following steps to avoid unexpected rendering on your site:
  ○ Diff the copy of default.css in your site with the current version of /commonspot/site-default.css
  ○ Harvest any changes you want to keep into a new Style Sheet (.css) file.
    ■ Note that much of your file will be the same as or similar to the new CommonSpot version. It's in your best interest to keep only your customizations, and let CommonSpot's current version of site-default.css control the rest.
  ○ Add that new Style Sheet to any Style Sheet Sets that use /commonspot/site-default.css
This process adds your custom styles back into all Style Sheet Sets that the upgrade modified, while taking advantage of CommonSpot's updated default styles, and allowing future updates to them to take effect. It also preserves your previous default.css for future reference, should you need to resolve any unintended changes.

Rendering of the Section Label and Section Text field types has changed. You may want to review any forms that use them.

**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 data used to populate the Element Usage dialog.

Elements are listed in the table once they have been rendered on 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.

**Force-Login Changes**

CommonSpot 10 introduced force-login.head, to provide more control over the head section of force-login pages. These concepts have been clarified, fleshed out, and better documented for this and later releases.

- **force-login.cfm and force-login.head**
  - These optional customization files let you control the page that's shown when an anonymous visitor accesses content that requires login. They may be located at the root of the site, or in any other subsite. CommonSpot looks first in the current subsite, then in the site root, but NOT in any intervening subsites.

- **force-login.head**
  - A custom force-login.head file, if it exists, MUST contain the following:
    - The doctype
    - The `<html lang="en" xml:lang="en">` start tag
    - The `<head>` section, including the `<head>` and `</head>` tags, if one is desired.
  - It should NOT contain the `<body>` start tag.
  - CommonSpot only honors force-login.head if you also have a custom force-login.cfm file. Otherwise we'd end up using our body HTML without its required js and css.
Other force-login Notes:

- CommonSpot will output the doctype and `<html><head>...</head>` page-start structure UNLESS:
  - You have a custom force-login file that contains a doctype or the start of the `<html>` tag, or
  - You have a force-login.head file.
- CommonSpot will output the `<body>`, `</body>`, and `</html>` tags UNLESS you have a custom force-login file that contains them.
- If CommonSpot isn't rendering the `<head>` section, it doesn't supply any CSS, so you are responsible for all page styling.
- Attributes that can be passed to login-buttons.cfm:
  - LoginButtonCaption default is "Login".
  - HideAutoLogin default is "0".
  - HideChangePassword default is "0".

Image Index Element

- Previously, an Image Index element with Advanced criteria mistakenly also honored the gallery criteria from the Standard page. Now that this behavior has been corrected, you may want to revisit any image indexes for which this may apply.

Internet Explorer Compatibility

- CommonSpot no longer forces Internet Explorer 10 and 11 into compatibility mode, allowing it to use its most up-to-date rendering and behavior. This produces different appearance and/or behavior in some cases, in general for the better, but you may want to adjust some of your CSS for best results.
- On some installations of Internet Explorer 11, there is a Compatibility View Setting that defaults to forcing IE into IE7 mode. CommonSpot will not allow login in this mode. You must uncheck both “Display intranet sites in Compatibility View” and “Use Microsoft compatibility lists.”

Multimedia

- All customers need to update their channel information with Brightcove's new API keys and to make sure they have Brightcove's new version players created on the Brightcove site for all existing Legacy player they have there.
- In CommonSpot, you must import those new players and update all the pages that have the old Legacy players with the new Players. This needs to be done before December 31, 2017 - when Brightcove will stop streaming the old legacy players. After December 31st the old players will stop working.

OverrideLoginText Changes

- If an overrideLoginText hook outputs HTML or returns it in the 'content' return field, CommonSpot will render it at the top of the dialog. This capability is provided primarily for custom Javascript and/or CSS, not to add visible items to the display. To best preserve the geometry and layout of the login dialog, use of visible interface elements here is not recommended.
Override-getfile-error.cfm Changes

- When a new site is created, CommonSpot copies /commonspot/newsite/override-getfile-error.cfm to the root of the site, and calls that copy for uploaded document errors. The prior version of that file didn't handle language attributes correctly, where the one provided now does.
- If you have NOT modified the copy in your site, you can simply copy the one from /commonspot/newsite/ into your site root. If you HAVE modified the site copy, compare your custom version with the new one in /newsite/, and make any appropriate changes. Upgrading does not change this file in existing sites.
- If you have copies in other subsites, treat them similarly.
- If you've modified the copy in /newsite/ in order to have your custom version apply to all new sites, you MUST save your modified copy before updating CommonSpot, or your custom version will be overwritten. In that case, compare your version to the new one in CommonSpot, and make any appropriate changes.

Simple Form Changes

- Custom Render Handlers can now be applied to the Simple Form element. Simple Form Render Handlers are fundamentally different from ones for other elements, in what they can do, and in the data passed to them. All they can do is modify the element component classes passed to them. See the comments in the vertical and horizontal Bootstrap form samples provided here: /commonspot/samples/renderhandlers/simple-form/.

Using ANY Simple Form Render Handler, regardless of the code in it, disables most simple form CSS class assignments and generated CSS. Accordingly, when a Simple Form render handler is configured, many of the options in Layout Properties are hidden and not in effect. The default element component classes defined in Site Admin are also ignored. The only classes that apply are the field type class on each field container, 'CS_InputType_select' for example, the ones set by the render handler, and any classes assigned via the element's Style menu on the page or an inherited template. Some field type options will also be ignored, when they're dependent on classes or generated CSS that CommonSpot is not putting out.

- To best take advantage of the accessibility enhancements to Simple Forms, you may want to update your Custom Field Types to make use of two new arguments passed into the renderControl() method. If the passed values aren't empty string, and your control is NOT composed of multiple elements, you should add the following attributes to the HTML of your control:

  aria-describedby="#arguments.describedByID#"
  aria-label="#arguments.ariaLabel#"

Please see the Developer's Guide for complete details.

- You can now assign a custom css class to the simple form Section Text field type.
- In order for Simple Form summary pages to be responsive, they're laid out very differently. You may want to review the appearance of your summary pages, and possibly adjust or add to the relevant styles.
This release uses version 2 of the reCAPTCHA project, which is much more advanced, and easier for site visitors in most cases. This REQUIRES new reCaptcha keys, even if you use the same account as before. Note also that as of October 2017, reCAPTCHA no longer supports universal keys that will work for all domains, so whether you were using your own private keys or not before, you must obtain new keys now, and enter them into Site Admin > Authoring Tools > Captcha Field Settings.

- If keys are missing or invalid, no error will be thrown, but the Captcha interface will not appear, and forms configured to use it will not be able to submit. This applies to CommonSpot 9.x and later.
- Simple Forms in CommonSpot versions prior to 10.5.0 will no longer submit if they include a reCaptcha field.

Other Captcha settings are different now too, because v2 supports different configuration options that v1 did not have. For these reasons, upgrading to this release will erase all your Captcha settings, providing only default values. At minimum, you need to enter your new keys.

Application Development Framework (ADF) 2.3 Support

Along with the release of CommonSpot 10.5, we are releasing version 2.3 of the Application Development Framework (ADF). This includes numerous several enhancements, several new field types and numerous bug fixes. Please refer to the ADF release notes at https://community.paperthin.com/projects/ADF/docs/release-notes/Release-Notes-v2-3.cfm for more information.

CommonSpot Widget Gallery

With this release PaperThin has published the following widgets, documentation and sample pages to the CommonSpot Widget Gallery at https://www.paperthin.com/widget-gallery.

- Advanced Maps
- Call to Action Buttons
- Hero Carousel
- Icon Textblock
- Icon Textblock Counter
- Image Textblock
- Image Textblock Carousel
- Image Textblock Rollover
- Tabs (Horizontal & Vertical)
- Maps
- Read More
- ScrollSpy Navigation
- Slider Menu
- Split Screen Carousel
- Video Textblock (for YouTube and Brightcove)

Each Widget is designed to be easily downloaded and imported into your site, and easily customized through CSS or CFML. Most of these widget are written having a ‘Generic Render Handler’, meaning that it can be
plugged into your existing custom elements. We also provide an example custom element for each widget, where applicable, that you can use if you like. Note most of these widgets require version 2.3 of the ADF.