

CommonSpot™ Content Server

Version 6.2

Release Notes

About this Document

CommonSpot version 6.2 updates the recent 6.1 release with:

- [Enhancements](#)
- [Notable Bug Fixes](#)

For detailed instructions for installing CommonSpot, see the *CommonSpot 6.2 Installation Guide*.

For detailed instructions for upgrading from a previous version of CommonSpot, see the *CommonSpot 6.2 Upgrade Guide*.

Before installing or upgrading to this release of CommonSpot, please review these [Important Notes](#).

Important Notes

Review the following important notes before installing or upgrading to CommonSpot 6.2.

If you are upgrading from a release earlier than 6.0, we strongly recommend that you also read the 6.0 and 6.1 Release Notes, available from:

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

Check the System Requirements for 6.2

As of release 6.1, CommonSpot supports newer versions of SQL Server (SQL Server 2008 R2), and Oracle (Oracle 11g R2) databases, ColdFusion (9.0.1), and Operating Systems (Windows 2008 R2).

However, we no longer support ColdFusion 7.x, ColdFusion 8.0.0, ColdFusion 9.0.0, Firefox 3.5, or IE 7. Review the latest system requirements here:

<http://www.paperthin.com/products/Technical-Specifications.cfm>

CommonSpot requires UTF-8

If you are upgrading from a version earlier than 6.0, you may need to update your environment before upgrading to CommonSpot 6.2. CommonSpot supplies a tool for validating and converting non-UTF-8 databases. Consult the *CommonSpot 6.2 Upgrade Guide* for details, as well as the CommonSpot System Requirements, above.

If you are a new CommonSpot customer, review the rest of these notes and the *CommonSpot 6.2 Installation Guide* for installing in a UTF-8-supported configuration.

Changes to Default Browser Cache Handling

As of Release 6.0, Custom Element rendering defaults to *non-browser-specific* output, a change designed to improve caching performance. You can implement browser-specific renderings by setting `Request.Element.DeviceIndependency=1` in the render handler. See the *CommonSpot Developer's Guide* for details.

Changes to the Element Gallery

As of release 6.1, CommonSpot includes the following new categories in the Element Gallery:

- Multimedia Elements
- Form & Data Sheet Elements
- Word, HTML & Other Format Elements

If your current Element Gallery uses any of these terms, rename the category before upgrading. Otherwise, upgrading may produce a primary key violation in AvailableControls and fail to complete.

Clear Browser Cache

Make sure that all contributors clear browser cache after upgrading to CommonSpot 6.2.

Oracle Configuration Requirements

At least one of the following character set configurations is required when running Oracle:

- `NLS_CHARACTER_SET = 'AL32UTF8'` (primary character set is UTF-8)
- `NLS_NCHAR_CHARACTER_SET = 'AL16UTF16'` ('international' character set is UTF-16)

NOTE: PaperThin also strongly recommends setting the Oracle Initialization value to CHAR for the NLS_Length_Semantics setting. Accepting the default value BYTE for this setting may result in unexpected errors for content containing extended characters.

Determine the current configuration by running the following query:

```
SELECT *
FROM NLS_Database_Parameters
WHERE Parameter IN
('NLS_CHARACTERSET','NLS_NCHAR_CHARACTERSET','NLS_LENGTH_SEMANTICS')
```

Customers Running SQL Merge Replication

To prevent potential overwriting issues, customers with this configuration must add the variable ServerInfo.UsingMergeReplication to servervars.cfm on both the authoring server and any Read Only Production Servers and set the value to 1.

Performance Considerations

Keeping the Firebug debugger for Firefox open while working in CommonSpot may affect JavaScript performance. The number of AJAX calls and the amount of DOM manipulation in this release may result in slow performance when Firebug is running.

Scheduled Jobs

This release includes a new job manager feature for creating and managing all CommonSpot jobs from a single authoring server interface, replacing ColdFusion management of CommonSpot jobs.

NOTE: Before installation, note your current settings for CommonSpot jobs. After installation, remove all CommonSpot jobs from the ColdFusion Administrator on all servers running CommonSpot, then restore them through the CommonSpot Scheduled Job interface on authoring. See the *CommonSpot 6.2 Upgrade Guide* or the *CommonSpot 6.2 Administrator's Reference* for details on this process.

This update affects the following:

CommonSpot Server Jobs

- Replication Monitor
- Static Site Generator

CommonSpot Site Scheduled Jobs

- Link Validation
- Freshness Reminders

Stale Cache Handling

If you enabled stale cache handling for any of your sites, templates, or pages, you must explicitly schedule the Rebuild Stale Cache job to refresh stale cache, as described below. This scheduled job replaces the automatic background process for refreshing stale cache in release 6.1.

Background Cache Building

You can now explicitly schedule cache rebuilding through the Scheduled Job interface. This scheduled job replaces automatic background processing for refreshing cache in previous releases. See “Scheduled Job Definitions” in the *CommonSpot Administrator’s Reference*.

Enhancements

The 6.2 release includes the following enhancements:

Enhanced Browser Support

The latest version of CommonSpot includes authoring support for Internet Explorer 9 and Firefox 5.

NOTE: Because Mozilla is discontinuing support for Firefox 4, PaperThin recommends upgrading to Firefox 5.

Performance Improvements

Beginning with release 6.1, CommonSpot includes a *stale cache* feature, giving sites the option to serve content that was recently changed, but not yet updated in cache. Enabling this feature at the site, template, or page level rebuilds cache in the background, to reduce or eliminate the performance hit sometimes seen when generating cache for the first time after a content change.

Release 6.2 includes the following additional features for optimizing stale cache management and improving overall performance:

Cache Server

With this release, Shared Database customers can optionally purchase and install a CommonSpot Cache Server, a separately licensed server dedicated to continuously rebuilding cache for faster content delivery. This dedicated server performs the following two functions:

- a. When stale cache is enabled, automatically detects and rebuilds cache for any stale content served
- b. Continuously rebuilds cache for all pages, ensuring that the cache is always as up-to-date as possible.

Any updates to the cache become automatically available to all servers in a cluster. The benefit of centralizing the cache update process saves significant individual server processing time, ensures the most up-to-date content, and improves overall site performance.

Background Cache Scheduler

Cache is maintained through the Rebuild Cache job (see below), a new site-level Scheduled Job available with release 6.2. Configure this job to run on a schedule that best supports the needs of your environment.

For an overview of overall performance options, see the *CommonSpot Performance Guide*. For detailed instructions on using the above features, refer to the *CommonSpot Administrator's Guide*, as well as Cache Server installation instructions in the *Installation* and *Shared Database Configuration* guides.

Scheduled Jobs

Release 6.2 enables any administrator to create new scheduled jobs (at the server, site, or customer level), specify start and end times, and run jobs on all servers, on a specific server, or within a specific customer or site scope. CommonSpot presents a single interface for automatically entering jobs into the ColdFusion Administrator and managing changes. Access this new functionality on an authoring server, from the Server, Site, or Customer Administration dashboards.

In addition to jobs available in previous releases (Replication Monitor, Static Content Generator, Link Validation, and Freshness Reminders), you can also schedule both background cache and stale cache building to better maintain local cache, or, for Shared Database users, system-wide cache through the new [Cache Server](#).

Administrators can also use the Scheduled Jobs interface to define jobs using any of the CommonSpot API "commands." See the CommonSpot API component of online Help, or use the interactive versions linked from: <http://community.paperthin.com/articles/2010/07/30/About-the-CommonSpot-API.cfm>

Group Ownership

Groups can now own CommonSpot objects, and users can now view and interact with pages and objects owned by groups in which they are members. For example, users can view both individual and group changes to pages or pending approvals, assign object ownership to groups, and filter report results through group or individual ownership. This update affects views in My CommonSpot, My Content, search results, and CommonSpot Reports. See these sections of the *CommonSpot Contributor's Reference* as well as "Change Ownership."

Expired Pages Option for Advanced Search, Page Indexes

The Advanced Search interface now includes the ability to filter by Expiration Date within the 'Do you have any custom search criteria?' section. This allows users/administrators to create reports or saved searches that show all pages that have expired. In addition, Page Index Properties includes an Expired Pages option. See the *Elements Reference* for details. Subsequent releases will further expose this capability with direct reports and updated filter options that show expired pages.

Full-Screen Rich Text Editing in Elements and Forms

The RTE lightbox now includes an icon for maximizing the RTE to full-screen size when used within a Custom Element or form.

Secure Email Notification

CommonSpot now provides both SSL and TLS review/approval and notification support for customers who route email through secure servers.

Image Field

This release includes an enhancement to the image field that enables setting a default or enforced subsite location for uploading images. Review the description for "Global Custom Element Image Options" or "Image Upload" in the Custom Element section of the *CommonSpot Administrator's Reference*.

NOTE: For this feature to work properly for *existing* Custom Elements, you must first edit the image field properties, then save the dialog to register the new properties.

Elements and Custom Elements

- Elements listed in the Set Visibility dialog (for Scheduled/Personalized Elements) now display with a brief description, as well as the Element ID, to make it easier to select Elements.
- Customizing the Search Form Element to list searchable subsites now orders subsite display names alphabetically, for easier reference.
- The Manage Elements dialog includes a new search field for easily locating Elements by name.

Simple Forms

You can now delete any simple form that is not bound to a CommonSpot object. Deleting a simple form permanently removes all associated data, unbinds any simple form Elements that reference it, and deleting any Datasheet views that reference it. See "Simple Forms" in the *CommonSpot Administrator's Reference*.

CommonSpot Page URL Field

Elements rendered using this field type now present options to link to new uploaded files or new pages, in addition to the previously available options to link to existing uploaded files or pages.

Image Gallery

By default, the Include in Public Image Gallery option is selected, to improve general image availability.

Custom Hooks

New pre-save-form-hook.cfm and post-save-form-hook.cfm hooks enable custom messaging and notification on form submission. See the *CommonSpot Developer's Guide* for details.

newWindow Function Changes

The newWindow JavaScript function now takes a fourth argument for optionally opening a new window in a separate window or new browser tab, instead of a lightbox (the default). See the *CommonSpot Developer's Guide* for details.

Notable Bug Fixes

This release fixes issues with:

Approval and Workflow

- When submitting all changes for publication, required approval levels did not display for subsites inheriting content security from parent.
- Under Subsite Content Security, administrators could not assign Default approver status for users or groups if any Enforced permissions were in effect.

Browser Support

Authentication failed for non-contributors using Chrome or Safari.

Content Creation API

The Content Creation API created new subsites at the root, ignoring the location specified.

Custom Authentication

Custom authentication (force-login.cfm) was not called for dashboard commands. See "Customizing Login" in the *CommonSpot 6.2 Developer's Guide* for authentication options.

Datasheets

- Users could not delete or "make private" views with names containing apostrophes.
- Under certain conditions, exporting data from datasheets produced files containing field headers, but no data.
- Datasheet View Layout Properties displayed escaped characters

Dialogs

- Under certain conditions Under certain conditions, light box dialogs did not properly display/resize on launch.
- Text within some dialog columns did not wrap properly.

Elements and Custom Elements

- Changing Elements directly within a Base +1 template produced an error.
- In some cases, Elements defined on templates were not cached correctly, resulting in increased page load times.
- Opening and closing the Element Security dialog unnecessarily reloaded the page.
- Under certain circumstances, apostrophes entered into text fields in local Custom Elements displayed as corresponding HTML code.
- Fields within Custom Elements retained security settings after they were removed.
- Improper clearing of Custom Element data resulted in non-display of Element data on refresh.
- On save, unexpected results returned for numeric data entered to Local Custom Elements created with a field type of Number (float).
- Using the Scheduled Element to filter for custom user agents did not produce the expected result.
- LinkBar Elements added to the Element Gallery were not available for selection through the Scheduled Element.
- Modifications to Search Element properties produced JavaScript errors.

- Commas contained in subsite names displayed as underscores in Search Element output.
- Internet Explorer users attempting to edit LinkBar Element menus containing eight or more items could not access the edit dialog because the menu was out of position.
- Registered external URLs entered to the URL field (cs_url) in a Custom Element displayed with the subsite name incorrectly pre-pended in Saved Search reports.
- Under certain conditions, errors resulted from Custom Element select lists populated by another Custom Element.

Find Pages

Find Pages results did not honor administrative settings defined for sorting.

Find Images

Under certain conditions, the dialog lightbox unexpectedly reloaded.

General Security

In some cases, General Security permissions (Subsite, Site, Customer, and Server) were missing after a ColdFusion restart following deletion of one or more permissions for a user or group.

Installation

Customers installing a Read-Only Production Server within a Shared Database/Shared File System environment reported "Variable DIRSLAVEPATH is undefined" errors.

Links

- When registering an external link with parameters, the ampersand character (&) was not properly converted on page generation.
- Bookmark links across subsites included the path of the subsite in which the bookmark was created instead of the target subsite path.

Login

- In certain cases, custom authentication failed for logins through /admin.cfm.
- Unnecessary JavaScript validation displayed when clicking the Forgot Password button.

Page Indexes

Page Index Elements incorrectly generated fully qualified URLs for pages (not using Static Content Generation).

Publishing

Caching issues resulted in changes being published in advance of approval.

Replication

Customers running SQL Merge Replication experienced issues with Custom Element data updating on authoring but not on target servers after replication.

Reports

- The Report of Images by Link Reference dialog did not properly refresh after opening a child dialog.
- The Actions column wrapped in the Page Set Report.
- Setting the Report of Images default sorting to Title produced an error.
- Viewing referring pages for a member of My Uploaded Documents unexpectedly refreshed the listing.

Search

- Searching subsites with indexing disabled continued to return results.
- Selecting specific subsites in Advanced Search produced unexpected and incomplete results.

Search Collection Administration

- The Subsite Administration – Subsite Properties – Search dialog did not display the full pathname for the search collection.
- CommonSpot attempted to index empty search collections, generating an error.

Security

Cross-site scripting vulnerabilities in CommonSpot loader and login modules were identified and addressed.

See Also References

Page did not get reloaded when updating See-Also References Dialog

Stale Cache

- Under certain conditions, CommonSpot did not properly register stale cache settings, producing “cache expired beyond stale limit” errors.
- In certain cases, Stale Cache was not invoked after it is enabled, resulting in slower-than-expected page response times.

Style Sheet Sets

The dialog displayed the wrong path to selected .CSS files.

Subsites

Child subsites displayed as unavailable for Copy Subsite Properties operations.

Subsite Deletion

Errors occurred when attempting to access subsites that were recently deleted, then recreated.

Templates

- Under certain circumstances, users with appropriate rights did not see available templates.
- Copying a template from one subsite to another appended *-template* to the new file name.
- In isolated cases Link Elements defined on a template rendered incorrectly on pages derived from that template.

Stale Cache

CommonSpot rendered Page Index Element updates immediately, before the defined Stale Cache limit expired.

Upgrade

- Sites using Oracle reported Custom Element data loss after upgrade.
- Upgrading from 5.1.1 to version 6.1 produced schema update errors.
- SQL Server sites upgrading to version 6.1 reported “Invalid length parameter passed to the SUBSTRING function” errors during view creation.

Upload Image

- When validating files for upload, the Check Spelling dialog remained open.
- Restricted target subsites were available to all users when uploading images through fields contained in Elements.
- Uploading a new image version incorrectly updated the Description/Title field with the image file name.
- Uploading a new image version did not update the containing page Element.

Upload Documents

- Moving documents uploaded by another contributor generated a "Permission Denied" message, even though the move completed.
- Under certain circumstances, dialogs remained open with "unresponsive script" errors when uploading documents through metadata forms.

User Administration

- User names beginning with special characters in the LastName field did not display in CommonSpot reports.
- Expiration dates in the Edit User Information dialog were restricted to future dates, producing errors during attempts to update expired records. Sites can now enter past dates and maintain expired user records.
- Filter strings were unexpectedly cleared when trying to submit forms via keyword.

Version History Restore

Date Last Current was not recorded for items deleted from Container or Scheduled Elements, blocking restore operations from Version History.