About this Document

CommonSpot version 6.1 updates the recent 6.0 release with Replication, Static Content Generation, a new version of the demo site and many bug fixes and enhancements.

These release notes cover the following topics:

- **Important Notes**
- **Enhancements**
- **Notable Bug Fixes**

For detailed instructions for installing CommonSpot see the *CommonSpot 6.1 Installation Guide*.

For detailed instructions for upgrading from a previous version of CommonSpot see the *CommonSpot 6.1 Upgrade Guide*. 
Important Notes

Review the following important notes before installing or upgrading to CommonSpot 6.1. If you are upgrading from a release earlier than 6.0, we strongly recommend that you also read the 6.0 Release Notes, available from http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm.

Check the System Requirements for 6.1.
CommonSpot 6.1 now 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 9.0.0 and Firefox 3.5.

You may need to update your environment before upgrading to CommonSpot 6.1. Please consult the installation and upgrade guides, and the CommonSpot 6.1 System Requirements page http://www.paperthin.com/products/Technical-Specifications.cfm

If you are a new CommonSpot customer, review the rest of these notes and the CommonSpot 6.1 Installation Guide for installing in a UTF-8–supported configuration.

Environments Running CommonSpot version 6.0
Sites currently running CommonSpot 6.0 can upgrade directly to CommonSpot 6.1. No pre–upgrade tasks are required. Complete the steps outlined in the CommonSpot 6.1 Upgrade Guide.

Environments Running CommonSpot versions earlier than 6.0
The following notes apply to customers running versions earlier than 6.0. For complete information, review release notes for the release subsequent to your current version. Release notes for previous versions of CommonSpot are available here:
http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm

Environments running CommonSpot versions earlier than 5.0.3 or 5.1.1
If you are running a version of 5.0 earlier than 5.0.3 or 5.1.1, and all of your CommonSpot databases are configured as UTF–8, you can install 6.1 directly. Otherwise, you must first upgrade to 5.1.1 and run the Database Conversion Site Tool to convert and validate your databases to UTF–8.

Note that you cannot upgrade directly from 4.6.3.

For more information on the database migration process, review the related knowledgebase article at http://www.paperthin.com/support/knowledgebase/articles/Database-Migration-Tools.cfm.

This conversion tool reports which databases are not UTF–8 compliant and prompts you to convert them. Please note that the hot fixes are separate patches for each version.

Environments currently running CommonSpot versions 5.0.3 or 5.1.0
If you are running version 5.0.3 or 5.1.0, and all of your CommonSpot databases are configured to be UTF–8, you can upgrade to CommonSpot. Otherwise, you must download and install Hot Fix 5.0.3.50 or 5.1.0.40 respectively, then run the Database Migration Tool. For more information on this process review the related knowledgebase article at http://www.paperthin.com/support/knowledgebase/articles/Database-Migration-Tools.cfm.
This tool reports which databases are not UTF-8 compliant and prompts you to convert them. Please note that the hot fixes are separate patches for each version. Make sure to use the correct patch for your version.

Static Site Generation Customers upgrading from 5.1.x or earlier
If you are running Static Content Generation, before upgrading to CommonSpot 6.1, manually remove the CommonSpot Static Site Generator job from the Debugging & Logging: Scheduled Tasks in the ColdFusion administrator. After you complete the upgrade, verify your static settings in the Site Administration – Static Site Settings dialog and save. Use the ‘Edit/Insert Scheduled Job’ option to rebuild the background task.

Changes to Default Browser Cache Handling
With 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 Developer’s Guide for details.

Clear Your Browser Cache
Make sure that all contributors clear their browser cache after upgrading to CommonSpot 6.1.

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.

The current configuration can be determined 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.
Enhancements

The 6.1 release includes the following enhancements:

**Replication and Static Content Generation**

- *Replication* – CommonSpot 6.1 includes support for replication to one or more Read Only Production Servers (ROPS), as did versions prior to 6.0. Several enhancements and numerous bug fixes further enhance Replication in release 6.1. For more information, refer to the Replication section of the *Site Administrator’s Reference*.

- *Static Content Generation* – Like Replication, Static Content Generation is again supported as of release 6.1. For more information, refer to the *Static Content Generation Guide* and the Static Content Generation section of the *Administrator’s Reference*.

**Improved Caching**

CommonSpot 6.1 includes two new caching features that improve site performance:

- *Stale Cache Support* – This feature addresses the problem of degraded performance sometimes observed when frequent changes to content – particularly for pages with Page Index Elements or Custom Elements in re-use mode – resulted in wait times during cache regeneration. With release 6.1, you can optionally serve recently expired (“stale”) cache to reduce or eliminate delays in delivering content to site visitors. To use this option, you should first analyze the performance/content freshness benefits for your site. Then configure whether and how long to serve stale cache at the site, template, or page level. Configure site-wide settings for handling Stale Cache, through Site Admin > Site Properties / Settings > Cache Properties. Customize settings at the individual template or page level through Properties > Cache/Static Settings. Additional options are available for sites with Static Content Generation installed.

- *Shared Cache* – In release 6.1, shared database cache that is updated on any server (ROPS or Authoring Server) is written to the database and shared with all other servers. Before rendering Elements detected to be out-of-date, CommonSpot first checks the database for a more recent version. This feature improves performance by removing the need for each server to individually rebuild cache files. For more information, see [http://community.paperthin.com/articles/2011/01/12/new-cache-feature-in-cs-61.cfm](http://community.paperthin.com/articles/2011/01/12/new-cache-feature-in-cs-61.cfm).

**Performance and Security**

In addition to new caching features, this release also includes:

- *Improved Page Index Performance* – For sites with a large number of subsites, Page Index query performance is significantly improved when filtering by subsite or when including child subsites.

- *Security Improvements* – This release improves security in several areas, including:
  - *Restrictions on Use of loader.cfm* – Security has been tightened to control calls through loader.cfm.
  - *Shared Database Device Mappings* – This release removes the requirement for Read-Only Production Server(s) to maintain file–system access to the Authoring Server. For new installations, device access is required for installation, but can be removed once the shared database ROPS is successfully installed.

- *Expanded Password Field* – The Password field has expanded (from 50 to 255 characters) in the Users database to allow for longer passwords and less compact encryption methods.

- *Increased Security Context in API* – The extensive CommonSpot API used in the version 6 user interface has been enhanced to support direct login and updated to include additional security contexts.
CommonSpot 6.1 Release Notes

Administration

- **Customizable My CommonSpot sections** – Developers can create and add new custom sections to the My CommonSpot dashboard through a simple registration process via Admin > Site Properties / Settings > My CommonSpot Sections. Custom sections can be written in ColdFusion or any other language and are rendered in an iframe within the dashboard section.

- **Rename Subsite Feature** – You can now change subsite names within CommonSpot, to create more meaningful URLs or to reflect structural changes to your site. CommonSpot intelligently manages all underlying file reassignments.

- **Check Form Record Consistency Utility** – Prior to version 6.1, forms to which new fields were added after records were entered, did not always properly contain data for the new fields, producing incorrect filter results. This utility checks the consistency of data for Custom Elements, Simple Forms, Metadata Forms, and XML Publication Definitions and adds missing data where appropriate. PaperThin recommends that you run this utility if you have added new fields to forms and are seeing incorrect results in Custom Element or Page Index filtering. This utility is available via Site Admin > Utilities > Site Tools > Check Form Record Consistency.

- **Batch Search Collection Re-indexing** – One-click batch reindexing enables updating multiple collections at once. You can also easily remove a subsite and its children from a collection from Subsite Properties > Search.

- **Shared Database & Replication Admin** – The following Site Admin functions are now available on a ROPS:
  - reindex collections
  - rebuild stub files
  - optimize collections
  - rebuild cache
  - rebuild image thumbnails

- **Secure FTP Replication Settings** – This release includes a new interface to configure secure FTP and set protocol and timeout values for transporting replication packets. The new 'Transport' tab settings in the user interface replace using the cs-ftp-settings.cfm custom-hook file for setting custom timeouts for ftp connections.

- **Replication Packet Status and Import** – The ability to display the current replication status or to manually import replication packets is now accessible on a ROPS from the Site Administration page vs. previously from the Server Administration page.

Authoring

- **Drag & Drop My CommonSpot Sections** – Users can now directly drag and drop sections within My CommonSpot. You no longer need to use the Customize dialog to enable this feature.

- **Change Owner** – The option to change owner for a page or object is now conveniently available from Reports, My Content, and Reminders.

- **Element Gallery** – The default Element Gallery is more clearly organized around most–used functions.

- **Larger Windows** – Updates to the styles used for CommonSpot dialogs make it easier to view large result sets.

- **Link Validation Handling** – Several enhancements in 6.1 improve how CommonSpot checks and reports on unverified and broken links and link syntax.

- **Pages with Blocked Approvals** – The Reminders section of My CommonSpot now provides access to this report. This information is also available from the Page View left panel for pages with blocked approvals.

- **Page and File Expiration** – You can now specify the exact time as well as the date to expire pages or uploaded docs.
• **Search** – A new Go button next to Quick Find simplifies using this feature. You can now include/exclude keywords in searching; this release also improves search results scoring, with matches displayed as a graphical fill bar and details available on mouse-over.

• **Selection Functions** – To make selecting forms easier for sites with a large number of forms, the selection function now includes name and search filters for:
  - Query-By-example > Select Form
  - Simple Form > Select Form
  - Site Admin > Elements & Forms > Simple Forms dialog

• **Select All/Deselect All** – These options are a standard part of CommonSpot reports

• **Template Gallery** – An improved UI provides better searching, filtering, and display for templates.

**Development**

• **API Additions** – Release 6.1 includes several additions, updates and improvements to the 1,000+ method API introduced in 6.0, including the following:
  - Three new components
  - Over 30 new methods
  - Increased security contexts and the ability to directly specify subsite context in dozens of subsite-related methods
  - Simplified calling directly from ColdFusion

To view a summary of the changes in 6.1, please refer to the API documentation in CommonSpot online Help.

• **6.1 Demo Site** – A new demo site showcases 6.0/6.1 features and applications built in CommonSpot's open source Application Development Framework (ADF). The demo site is easily installed and includes its own sandboxed version of the ADF. For more information on features included in the new demo site, refer to the 6.1 Demo Site Guide.
Notable Bug Fixes

This release fixes issues with:

Administration
- Under certain conditions after searching on the Group Administration, the ‘Search String’ field would not accept input in IE.
- Under certain conditions, sorting/filtering issues occurred for records on User & Group Administrator pages.
- Floating point handling was inconsistently including leading zeroes.
- Long path names did not wrap in the Manage Search Collections > Collection Assignment dialog.
- Subsite names were incorrectly rendered in the Subsite dropdown field in the Report of Pages, Templates, Uploaded Documents and Registered URLs dialog.
- Server Configuration inaccurately displayed server type in Shared Database configurations.
- Sync operations blocked thumbnail directory creation on a shared–database Read–only Production Server.
- The name of the ColdFusion schedule job created was not displayed in the Scheduled Jobs dialog. If records for Scheduled Jobs are not found for the Current customer scope, CommonSpot inserts them dynamically. Administrators can insert ColdFusion scheduled job for this site scope from the updated Scheduled Jobs dialog.
- Users or Groups with Default Subsite Permissions could not be removed from Page Security.
- Element Usage views were not filtering by the selected Element, and the Usage report included deleted elements.
- Saved elements in Site Admin – Elements did not allow access to the Security dialog.
- In the Multi–Language Support Tool bar, clicking Mapped pages or the Create/Copy down arrow produced a JavaScript error.
- Selection lists bound to another Custom Element rendered multiple delimiter characters ( > ) preceding the selection list.
- With cookie–based login enabled, certain dialogs in the Administrator would prompt for login.

Authoring
- Changing scheduled state for a container produced an error.
- Under certain conditions Element icons continued to render in Preview mode.
- The Email Notifications dialog required UserID and Password. This feature no longer requires credentials.
- Files deleted through CommonSpot remained on the file system on both authoring and read–only production servers.
- Under certain conditions invoking the Manage Shortcuts > Add New Shortcut dialog displayed a script error.
- RSS Feed rendering produced an XML error.
- Standard metadata did not display URL values for linked items after upgrading to 6.0.
- The Tabbar Element displayed an error when the ‘Minimum Tab Height’ or ‘Spacing Around Tabs’ fields were not defined.
- Selecting View > Work on this Page intermittently produced an empty lightbox.
- Visual Difference did not work in multi–byte environments.
- Closing the Version History dialog reloaded the lightbox unexpectedly.
- Lightbox dialog sizes were not always optimal for viewing content; sometimes windows were too small or missing scrollbars.
- Under certain circumstances the template selected in the Template Hierarchy dialog did not open.
- Loading a template did not update the breadcrumbs toolbar.
• Under certain conditions, when submitting content for publication, the approval message incorrectly stated that the user was the last approver.
• Base templates defined as private remained accessible to other users through the Template Gallery during page creation.

Custom Elements
• Custom Element filters that processed long lists returned inaccurate record counts under certain conditions.
• After deleting fields from Custom Elements, filtering based on those fields produced errors.
• Copying Custom Elements to a new category changed field order.
• Search did not return results for custom field content exceeding 255 characters. Custom field values less than or equal to 425 characters are now included in search results.

Datasheet Element
• Custom styles applied to columns were sometimes ignored.
• Field text wrapping settings were ignored.
• Action column data and columns did not display as expected.
• Default column sorting did not behave as expected.
• Results based on queries containing dynamic variables were not saved. CommonSpot now attempts to validate the query before saving and, if there is an error due to unresolved dynamic variables present in the where clause of the query, users can check a new Ignore where clause option in the dialog. This option instructs CommonSpot to validate the query by ignoring the where clause from the supplied query.

Data Migration:
• Under certain circumstances unique constraint errors occurred after using the Data Migration tool to migrate an Oracle database.

Installation:
• Installing a second ROPS failed in Phase 4 when subsites had search disabled.

Linking
• Link Validation categorized all non-http links as invalid. CommonSpot now differentiates between link types, validates http, verifies syntax for https, ftp, and other protocol types, and reports links it cannot validate.
• Links set to open in a new window did not resolve in Internet Explorer.
• Links to uploaded documents displayed the document name instead of the file name in results tables.
• Links in Elements with pending approvals are now updated when the link target moves.

Login
• In the Add New User – Account Information dialog the ‘Confirm Password’ field did not display as required.
• Changing password, then logging in produced an “Invalid Credentials” error.
• The Change Password dialog displayed an error when the ‘newPassword’ field contained special characters.

Logging
• Errors encountered while processing cache files were not logged, possibly resulting in unreported performance problems.
• A common error in the log files (and emailed to the administrator if the email option was selected) for RefreshLock was called without a page id error. The error sources have been tracked down and eliminated.
Page Indexes
- Page Index results sometimes included pages from inactive subsites when using Standard properties.
- Under certain circumstances Page Index results would include deleted pages.
- Entering date ranges generated database errors when the mode changed from Standard to Advanced.
- When Page Index description fields were mapped to Custom Element fields, tagged data rendered as text to anonymous readers. Page Index links to public documents in static generation no longer use the security/getfile method in the links.

Pop-up menus
- Publishing changes to Pop-up menus caused IE8 to crash under certain circumstances.
- Pop-up menus did not display when interacting with PDF objects in IE8.

Rich Text Editor
- Tidy cleanup, under certain circumstances, broke existing link tags in the Rich Text Editor.
- Values exceeding 255 characters were not returned from the RTE fields of Metadata Forms bound to render handlers.
- Links within list items output non-standard HTML.
- Creating a new image version did not update containing pages.

Replication
- The ‘thumbs.db’ files were not ignored when creating a replication packet.

Search
- Selecting Include Child Subsites in a Search Element when none existed caused an error.
- Quick Find returned inaccurate score values. This feature now includes a keyword search option, improved score resolution displayed graphically as a fill bar, and score details on mouse-over.
- Under some circumstances Image Quick Find performance was slow.

Security
- Reports allowed users access to subsite content based on rights associated with the current subsite.
- The dialog size changed unexpectedly when using IE to edit Custom Element security permissions.
- Field-level security did not properly inherit permissions.

Support Incident Reporting
- Values greater than 3 in the Number of Processors field produced an error.