

Oracle® Site Studio

Release Notes

10g Release 3 (10.1.3.5.0)

June 2009

These release notes describe new features and enhancements as well as any specific installation and implementation considerations for Oracle Site Studio version 10g Release 3 (10.1.3.5.0).

1 What's New

This version of Site Studio includes a number of new features and enhancements.

1.1 Compared to Site Studio 10gR3 (10.1.3.3.4, Build 8.0.0.283 and Higher)

For a list of the new features in this release compared to earlier 10gR3 (10.1.3.3.4) releases, please refer to *releasenotes.txt* in the root of the Site Studio 10gR3 distribution package.

1.2 Compared to Site Studio 10gR3 (10.1.3.3.3, Build 8.0.0 260)

Language Support

This Site Studio Contributor release is localized into thirteen languages: English, German, French, Spanish, Portuguese (Brazil), Italian, Dutch, Japanese, Korean, Chinese (both Traditional and Simplified), Thai, and Arabic. The Contributor user interface language is automatically set to match the locale of the user as set in the Content Server. Please note that the software help is in English only.

This Site Studio Designer release is localized into eleven languages: English, German, French, Spanish, Portuguese (Brazil), Italian, Dutch, Japanese, Korean, and Chinese (both Traditional and Simplified). By default, the Designer user interface language is set to match the operating system locale of the computer it is installed on, but this can easily be changed within Designer. Please note that the software help is in English only.

This Site Studio Manager release is localized into eleven languages: English, German, French, Spanish, Portuguese (Brazil), Italian, Dutch, Japanese, Korean, and Chinese (both Traditional and Simplified). The Manager user interface language is automatically set to match the locale of the user as set in the Content Server. Please note that the software help for Manager is in English only.

The current release of Site Studio Replicator and the Log File Viewer are not localized, and are available in English only.

1.3 Compared to Site Studio 10gR3 (10.1.3.3.2)

New Contributor

This Site Studio release includes a brand-new Contributor application, which replaces the old Windows-only, Internet Explorer-only, ActiveX-based application. The new Contributor application is JavaScript-based and can be used on any system that can run Microsoft Internet Explorer 6.0 or higher, or Firefox 2.0 or higher (for example, Windows, Linux, or Mac OSX). The resulting web pages can be viewed in Microsoft Internet Explorer 5.5 or higher, or Mozilla Firefox 1.0.7 or higher.

Data File Format

The format of the data files has changed to XML, replacing the old XHTML format. Any custom code taking advantage of the old format may need to be modified. See the *Site Studio Technical Reference Guide* for more information.

1.4 Compared to Site Studio 10gR3 (10.1.3.3.0 and 10.1.3.3.1)

Single Sign-On

Site Studio now supports the ExtranetLook component and most other Single Sign-On (SSO) environments that use a forms-based login. (Note that this support applies to IDOC and JSP sites only.) To support SSO environments, a new token must be added to the login form that is used. In addition to this, depending on configuration, a Content Server configuration flag may be required.

For more information on the SSO environments, see [Section 4, "Implementation Considerations."](#)

1.5 Compared to Pre-10gR3 Site Studio Releases

Manager Interface

A new web-based site management interface called Manager can be used by site managers to change the hierarchical structure and appearance of the web site. They can, for example, add and remove sections, modify site and section properties, switch the layout page associated with a section, and more. In earlier versions, these steps could only be performed in the Designer application. Similar to the way Contributor works, the available options in Manager are driven by choices made in Designer.

Site Replication Properties

When replicating your site, you now have greater control over the properties that get replicated. You can specify "environment properties" that will be associated with the hosting environment and therefore not replicated to the next server. You can also override certain environment properties to fine-tune your replication process even more. These features add to the overall life-cycle management capabilities of Site Studio.

Content Reports

You can now view detailed reports that tell you how many times a piece of content was viewed on your site. These reports help you better plan and manage

your site, giving priority to the content that is getting the most exposure and tailoring it to your users. This is all possible with the Content Tracker integration.

DBSearch and Fast Search & Transfer™ search engines

Site Studio is compatible with DBSearch and Fast Search & Transfer™ search engines on the content server. With FAST technology, you get real-time search and filter technology solutions that improve the performance of the content server, and therefore the sites you create in Site Studio.

2 Resolved Issues

Site Studio 10g Release 3 (10.1.3.5.0) resolves a number of issues that were discovered in earlier releases.

2.1 Compared to Site Studio 10gR3 (10.1.3.3.4, Build 8.0.0.283 and Higher)

For a list of the resolved issues in this release compared to earlier 10gR3 (10.1.3.3.4) releases, please refer to *releasenotes.txt* in the root of the Site Studio 10gR3 distribution package.

2.2 Compared to Site Studio 10gR3 (10.1.3.3.3, Build 8.0.0 260)

Performance Enhancement

Several enhancements were made to the code to improve performance issues specific to Internet Explorer. Regular expression handling and string concatenation were improved to dramatically affect the load time of Contributor.

Line Break Control

The default maximum line break has been increased to 4,096, and can now also be changed in the registry. In rare instances, lines which were longer than 2,048 characters caused the XML parser in previous versions to misinterpret tags.

Image Element Validation

The image element validation has been improved. The validation code for images occasionally returned incorrect results based on image sizes. This affected those using Internet Explorer.

Webless Storage with dbFileStoreProvider

Site Studio is now fully available when using webless storage with dbFileStoreProvider. Site Studio was not fully compatible with previous versions of dbFileStoreProvider.

Hyperlink Wizard

The Hyperlink Wizard now works to create both relative and absolute URLs whether or not the server name is in the URL when using Contributor. In previous versions of Site Studio, a contributor editing a page that did not have the server name in the URL would not get consistent results using the Hyperlink Wizard.

Virtual List Fuctionality

Site Studio Manager now has virtual list functionality in the site hierarchy tree control. This allows Manager to more easily work with very large sites.

Using POST to Load Content Server Forms

Site Studio now loads Content Server forms with POST instead of GET. This allows Site Studio to work with long URLs in Internet Explorer.

Toggle Raw Log Text From the Console Window

The Console window now supports the key command Ctrl + Alt + Shift + T to show the raw log text. This allows the text to be easily cut-and-pasted to readily use with support issues.

"Insert Table" Toolbar Button Behavior

The "Insert Table" toolbar button in Contributor now invokes the editor's table action rather than a dialog. This action is a pull-down menu that allows selecting the number of rows and columns for the table.

2.3 Compared to Site Studio 10gR3 (10.1.3.3.2)

Whitespace Control

The element for WYSIWYG regions contains a new flag to control how white space is used. The "Do Not Enclose Text in Editor" action is used to control the markup surrounding the entered text. When this action is not selected, the text in the editor is surrounded, by default, with a <p> tag, which can introduce whitespace in certain circumstances. Selecting this action prevents the editor from enclosing the entered text in a block tag. This flag also causes the Enter key to insert
 tags instead of <p> tags.

Display of Dynamic Conversion Rules

Dynamic conversion rules set up in Content Server now display in Designer. The previous version of Site Studio was unable to access the list of dynamic conversion rules. This has been resolved.

Updating Metadata When Switching Region Content

Switching region content in Site Studio Contributor updates metadata for the content item. In previous versions, when a user switched the content for a region from contribution mode, the new content would not have the metadata modified correctly to mark it as part of the website; the new content would not have its WebsiteSection value set. Now the metadata is properly set.

Display of Locked Icons in Contribution Mode

In certain instances, when the Document Info checkbox for a region was selected, the region would not always properly display the Locked Contributor icon with a tooltip identifying who had the region locked for updates. This has been resolved.

Query Strings in Link Wizard

Some forms of URLs with query strings, in particular URLs such as `http://<domain>/<path>/?<query string>`, caused the Link Wizard to crash. This has been fixed, and all valid URLs are usable in the Link Wizard.

Using Validation Scripts in Contributor

Using validation scripts in Contributor no longer requires the contributor to have write access to the scripts.

3 Installation Considerations

The following special considerations should be taken into account when installing Site Studio 10g Release 3 (10.1.3.5.0):

Content Server Patches

Before installing the Site Studio software, make sure that all required patches for the content server are in place. See the *Site Studio Installation Guide* for more information.

Installing Designer on Windows Vista

If you want to install Site Studio Designer on a machine running Windows Vista with User Account Control (UAC) turned off, make sure that you install the application as a user with administrator privileges.

Library Dependency Under Oracle Enterprise Linux 4 or Red Hat Enterprise Linux AS 4

If you are running Oracle Enterprise Linux 4 or Red Hat Enterprise Linux AS 4, Site Studio has a dependency on `libstdc++-libc6.2-2.so.3`, which may not be on the computer. You should then manually install `compat-libstdc++-296-2.96-132.7.2.i386.rpm`. For Oracle Enterprise Linux, this file is located on disc 3 (Enterprise-R4-U4-i386-disc3.iso). Install the file using the following command:

```
rpm -i compat-libstdc++-296-2.96-132.7.2.i386.rpm
```

Make sure that you execute the rpm command as the root user.

Replicating and Backing Up Custom Fragments

When you replicate or back up a site in Site Studio, all custom fragments on the server, including ones not currently used by your site, are copied as well. If you want to prevent this from happening and instead identify only certain fragment libraries for replication or backup, then you can disable this behavior by entering the following Boolean configuration entry in the Content Server's `config.cfg` file (see the Content Server Help for more information on editing this file):

```
SSOmitFragmentLibrariesInArchiverQueries=1
```

Once you do this, you then need to identify the fragments that you want included with the site by assigning the appropriate "xWebsites" metadata value to each fragment library. One way to do this is to add each fragment library as a site asset to your site (see the *Site Studio Designer Guide*).

Your custom fragments, as a result, will be included with the site each time you replicate or create a backup.

Use Only ASCII Characters for Key Metadata

You can only use ASCII characters in a web site URL; non-ASCII characters are invalid and will cause problems in Site Studio.

Site Studio generates its URLs by reading the names of individual sections and files in your site hierarchy. If the sections or pages contain non-ASCII characters, you will need to specify a different name for their resulting URLs.

You do this by specifying a new "URL Directory Name" (for sections) and "URL Page Name" (for files) in Designer. For more information, see "Changing the Path Used in a Site Address" in the Site Studio Designer Guide.

Another place where Site Studio reads values to generate a URL is the content server metadata assigned to your files (layout pages, data files, native documents, etc.). Specifically, it reads the value for "Content ID" (dDocName), "Type" (dDocType), and "Security Group" (dSecurityGroup).

As such, you should not use non-ASCII characters for these metadata values. You may use non-ASCII characters for all other metadata.

DBSearchContainsOpSupport Component Installation Requirements

When using Site Studio 10gR3 on a content server that is using database search (for metadata-only searching or for full-text searching), the Site Studio component requires that the DBSearchContainsOpSupport component is installed. Otherwise Site Studio's search capabilities will not be available. You can select this component during the Content Server software installation (it is not installed by default), or you can install it manually at a later time. You can find the component zip file in the *packages/allplatform* directory of the Content Server software distribution package.

Even if metadata-only searching is being used, the database must be configured to support full-text searching. Details on this can be found in the Content Server installation guide.

Once the DBSearchContainsOpSupport component is installed, there will be a new menu in the Content Server administration menu called "Zone Fields Configuration." Site Studio has two fields that must be configured as zone fields: "Web Sites" and "Exclude from Lists." You do not need to rebuild the search index after enabling these fields as zone fields.

4 Implementation Considerations

The following special considerations should be taken into account when using Site Studio 10g Release 3 (10.1.3.5.0):

Browser Credential Inheritance

When a Java applet is hosted in a web browser, it typically does not have any access to the browser's authentication credentials. What that means for a user is that even though they have logged into the web browser they have not logged into the applet. This will result in multiple logins when the applet needs to access a secure resource. An example of this would be when the region being edited contains an image that is in a secure security group.

If you are running with a 1.5 or newer JVM and you are on a Windows platform, then it is possible for the applet to use the browser's credentials and thus avoid the multiple logins. To take advantage of this feature you can use the following *config.cfg* entries:

SSUseInitializationApplet= [true | false] (default = false)

This entry causes the Site Studio initialization applet to be placed on Site Studio pages before the first region in contribution mode. This applet allows the Java VM to establish credentials with the Content Server before the Ephox editor loads. This prevents credential challenges when the editor needs to access secure resources.

Notes:

- If the Site Studio initialization applet is not used, then the Ephox QuickStart applet will be used instead. This is the current behavior.
- This entry can be used in conjunction with the `SSInitializationAppletDoLogin` and `SSInitializationAppletDoLogging` entries.
- On some client platforms, like Mac and Linux, the initialization applet itself can cause a credential prompt dialog. In environments with these clients, this entry should not be enabled.

SSInitializationAppletDoLogin= [true | false] (default = true)

This entry causes the Site Studio initialization applet to forego its login attempt. This has the effect of loading the Java VM on the Contribution Mode page, thereby distributing the load time of the Ephox editor.

Notes:

- This entry has no effect unless the `SSUseInitializationApplet` entry is enabled.
- On some client platforms, like Mac and Linux, the initialization applet itself can cause a credential prompt dialog. In environments with these clients, this entry should be set to disable the login attempt.

SSInitializationAppletDoLogging= [true | false] (default = false)

This entry causes the Site Studio initialization applet to log more information to the Java Console than it would otherwise.

Notes:

- This entry has no effect unless the `SSUseInitializationApplet` entry is enabled.

Certificate Validation Applet

The new contributor application uses a signed java applet that has one or more signed plugins packaged with it. The first time that these applets are loaded on any given machine, the user will be prompted to accept the security certificates. Some Java Virtual Machines have a problem when multiple signed applets attempt to load at the same time, which can cause the browser to hang. If you encounter this problem then there are two solutions. One is to have the security certificates pushed out to the client machines by your IT department. Another solution is to manually accept the certificates one at a time. Site Studio has added a new Content Server page on the user profiles page to perform this second option. The "Site Studio Certificate Validation" page provides this mechanism. Since it is possible for customers to build their own custom plugins for the Contributor, we have made this page extensible to allow the certificates accepted in the same way for their custom signed plugins. The following *config.cfg* entries are used:

SSEExtraCertificateClasses

This entry appends customer-specific entries to the list of classes loaded by the certificate validation applet. The value is a space-separated list of classes to load during the certificate validation process.

Example:

```
SSEExtraCertificateClasses=com.xalco.XalcoEphoxPlugin com.zeng.TextGenerator
```

Notes:

- Each class in the list should have a corresponding label set using the `SSEExtraCertificateLabels` entry.
- This should be used in conjunction with the `SSEExtraCertificateLabels` and `SSEExtraCertificateJars` entries.

SSEExtraCertificateLabels

This entry appends customer-specific labels to the list of certificates checked by the certificate validation applet. The value is a caret-separated list of certificate descriptions to display during the certificate validation process.

Example:

```
SSEExtraCertificateLabels=Xalco Certificate^Ravenna Certificate
```

Notes:

- Each label in the list should have a corresponding class set using the `SSEExtraCertificateClasses` entry.
- This should be used in conjunction with the `SSEExtraCertificateClasses` and `SSEExtraCertificateJars` entries.

SSEExtraCertificateJars

This entry appends customer-specific entries to the classpath used by the certificate validation applet. This allows the JVM to find the classes listed in the `SSEExtraCertificateClasses` entry. The value is a comma-separated list of certificate descriptions to display during the certificate validation process.

Example:

```
SSEExtraCertificateJars=<${HttpWebRoot}>resources/xalco/XalcoEphoxPlugin.jar,  
<${HttpWebRoot}>groups/public/documents/adacct/HelloWorldPlugin.jar
```

Notes:

- Idoc script tags embedded in the entries are evaluated.
- This should be used in conjunction with the `SSEExtraCertificateClasses` and `SSEExtraCertificateLabels` entries.

SSEHttpLayerManager= [sun | default]

This entry allows the use of the "Sun" or default `HttpLayer` inside the Ephox Editor. Changing to the Sun layer may provide better results when running in an SSL environment. The possible values are:

- **default:** Uses the default, internal Ephox `HttpLayer` manager

- **sun:** Uses the "Sun" HttpLayer manager

This corresponds to Ephox's `setHttpLayerManager` configuration entry. See http://www.ephox.com/developers/editliveforjava/v50/html/prop_httpmanagerlayer.html for more info.

Comparing Differences in Large Files When Using Firefox

The Site Studio diffing feature may trigger an 'unresponsive script' dialog in Firefox when comparing web pages with very large amounts of content. When presented with this dialog, users can choose to stop the script or allow it to complete.

Another option is to configure the Firefox browser so that it allows more time for scripts to complete. The following steps show how to change Firefox's maximum script run time value:

1. Enter `about:config` in the Location Bar. The `about:config` page should appear.
2. In the `about:config` page, search for the preference "`dom.max_script_run_time`" and double-click to open it.
3. In the "Enter integer value" prompt, enter a new maximum script run time value. This value will be the number of seconds allowed for scripts to complete before displaying the 'unresponsive script' dialog.
4. Click OK.

Expanded Features in Contributor

The new editor contains many additional features over the previous version, including Source Mode, Expand Editor, and Accessibility Report. All new features in Site Studio are turned off by default in Site Studio Designer. To use the new features, they must each be turned on in Designer.

SSO Environment Configuration

Site Studio 10gR3 can be used in forms-based authentication and SSO environments. The following HTML comment must be added to the login page that prompts the user for credentials:

```
<!--IdcClientLoginForm=1-->
```

Note that this token must be used verbatim, without any spaces or case changes.

In addition, if the forms-based login solution delivers the login form to the client without using a redirect, as is the case with the ExtranetLook component, the following `config.cfg` entry must be added to the content server:

```
SSEnableExtranetLookCompatibility=1
```

Enable Debugging in Contributor

The Console Window is the Contributor application's x-browser/platform logging mechanism. The Console Window is especially suited to accommodate logging and to facilitate JavaScript code execution across multiple contexts (HTML window objects) from within a single browser window. All instructions logged to the Console Window's logging window displays the time of execution and the context in which the instruction was executed.

The availability of the Console Window is optional and is not deployed to the 'weblayout' directory by default. The *wcm.console.htm* file is shipped in the Site Studio's 'support' folder. To enable the Console Window, an administrator only needs to copy the *wcm.console.htm* file to the 'base' directory within the web layout:

```
<content_server_install>\<instance>\weblayout\resources\wcm\base).
```

There are two primary ways to launch the Console Window if *wcm.console.htm* is installed in the web layout:

1. Navigate to the Console Window's URL.

Users can navigate directly to the Console Window if the URL is known. The following is where the Console Window usually exists in a Site Studio installation:

```
http://<server_name>/<instance_name>/resources/wcm/base/wcm.console.htm
```

2. Use the key commands.

From within the Contributor application, the key command Ctrl+Alt+Shift+C or Ctrl+Alt+Shift+E will launch the Console Window if it is not already open. The latter key command displays all the run-time errors in addition to opening the Console Window, if it is not already open.

If the Console Window is not installed in the weblayout, then Ctrl+Alt+Shift+E will pop up the generic error dialog if there are run time errors. The error dialog only displays run time errors, not run time logging.

Editor Debug Logging

The SSEditorDebugLevel configuration setting in Content Server's *config.cfg* file can be used to control the amount of logging that the editor emits to the Java Console. This entry can be set to one of the following values:

- fatal
- error
- warn
- info
- debug
- http

The default value of the setting is "info."

SSO Environment Troubleshooting

Symptom: When attempting connect to a web site protected by a forms-based login solution, Site Studio Designer displays a "200 OK" message but fails to connect.

Solution: Ensure that the `<!--IdcClientLoginForm=1-->` HTML comment is present in the login form.

Symptom: After entering Contributor Mode in a web site, a CGI-based URL displays in the browser instead of a path-based URL.

Solution: Ensure that the `SSEnableExtranetLookCompatibility=1` *config.cfg* entry has been added to the content server, and that the content server has been restarted.

Web Site Path Troubleshooting

Symptom: When attempting to select URLs within a website structure, the relative path is broken.

Solution: If the Content Server is version 10gR3, ensure that the CS10gR3CoreUpdate and CS10gR3NativeUpdate patches are installed. If the Content Server is version 7.5.2, ensure that the CS752Update patch is installed. To verify the proper patches are installed, go to **Filter Administration** on the Content Server. Select **Retrieve Filter Version Info**. If the displayed plugin version is for 10.1.3.3.3, then the proper patches are installed.

5 Documentation

The following documentation is available for Site Studio 10gR3:

- **Site Studio Installation Guide:** This document details the entire installation procedure for installing the Site Studio Component, Site Studio Designer, and Site Studio Contributor. It also details how to individually update the components as necessary.
- **Site Studio Manager Guide:** This document describes the Manager application of Site Studio, a web-based application that provides an environment in which a user (the manager) can make site hierarchy changes.
- **Site Studio Designer Guide:** This document details all aspects of the Designer application, from starting the application through designing, building, administering, and managing the sites, as well as working with managers and contributors.
- **Site Studio Contributor Guide:** This document describes the Contributor application of Site studio, for users to modify the web sites and handle content created and managed using Site Studio.
- **Site Studio Technical Reference Guide:** This document provides a broad technical overview of Site Studio and how it creates web sites. It also provides technical information about the project file, markers, tags, service calls, and Idoc Script extensions used by Site Studio.

Site Studio 10gR3 comes with comprehensive online Help systems for the various applications as well as a full set of PDF documentation, including an installation guide, user guides, reference manuals, and a tutorial. You can find these documents in the *Documentation* folder where Designer is installed and the *Documentation* folder in the Site Studio distribution package.

Please note that all Site Studio documentation is available in English only.

Oracle Site Studio, 10g Release 3 (10.1.3.5.0)

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