

# Oracle® Site Studio

Release Notes

10g Release 4 (10.1.4.5.0)

June 2009

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These release notes describe new features and enhancements as well as any specific installation and implementation considerations for Site Studio version 10g Release 4 (10.1.4.5.0).

## 1 What's New

This Site Studio 10gR4 release includes the following new features and enhancements.

### 1.1 Compared to Site Studio 10gR4 (10.1.4.0.0, Build 9.0.0.378 and Higher)

For a list of the new features in this release compared to earlier 10gR4 (10.1.4.0.0) releases, please refer to *releasenotes.txt* in the root of the Site Studio 10gR4 distribution package.

### 1.2 Compared to Site Studio 10gR4 (10.1.4.0.0, Build 9.0.0.354)

Build 9.0.0.354 is the initial release of Site Studio 10gR4. If you already have a Site Studio 10gR4 installation, then you have this build installed.

To find your build number, run Site Studio Designer. From the toolbar, select **Help**, then **About Site Studio Designer**. In the About dialog box, click **Version Info...**, and a new dialog opens. In the left window, select **Site Studio**. You will see the build number in the list on the right side.

#### On-Demand Web Sites

Site Studio administrators can now mark Web sites as served "on demand." The Web sites marked as on-demand Web sites are not loaded into the content server's memory until a request is received to load the site. This reduces load times when starting the content server.

The Manage Web Sites page on the content server includes an On-Demand Web Sites button, which opens a page where you can mark sites as "on-demand" sites. There will be a slight delay to serve those sites listed as on-demand when accessed by a user for the first time.

#### Domain and Folder-Based Addressing Changes

Site Studio can now identify Web sites by a combination of folders and domains. Previous versions of Site Studio required that you use either a folder-based or a

domain-based address. Administrators can now specify a domain, a folder, or both to map to a Web site.

## 1.3 Compared to Site Studio 10gR3 Releases

### Improved Reusability of Site Assets and Content

Site Studio has gone through a complete internal redesign to facilitate the reusability of site assets and content. The way that a web site is designed and built in Site Studio now maximizes the reusability of all parts of a web site. This includes the structure of the web site, reusing page templates, region templates, element definitions, and other structural components. It also includes being able to reuse all parts of the content and information displayed on the web site. All assets of the web site are now separately managed objects, and each part can be used and then reused to make the web site much easier to maintain.

Page templates now have more reusable parts, and more separately managed parts. Previous releases used layout pages with inline elements. Now with page templates, placeholders are used on web pages to define where the site content can be edited or replaced.

Each part of a web page can consist of a page template, placeholders, subtemplates, and region templates, each used with a corresponding definition to modify specific implementations of a particular piece.

### More Separately Managed Site Assets

To improve reusability, Site Studio now includes a larger number of separately managed site assets. The following assets are new:

- **Element definitions:** Files that define the editing experience for element types. Specifically, they specify what a contributor can do when editing an element.
- **Region definitions:** Files that define the type of content that elements of a particular type consist of. They also specify the content creation and switching options available to contributors for contribution regions, and set default metadata for content files associated with these regions.
- **Placeholder definitions:** Files that define what region definitions, region templates, and subtemplates are allowed for the associated placeholders. They also specify what contributor actions are allowed for the placeholders.
- **Page templates:** Fully-formed HTML files that define the layout and high-level look-and-feel of web pages, including the placement of contribution regions (i.e., editable areas on the page), navigation aids (in the form of fragments) and site-wide images (banners and the like). Page templates are the highest-level site design object.
- **Region templates:** Partial HTML files (i.e., without head and body sections) that define the layout and look-and-feel of the data in contribution regions within web pages.
- **Subtemplates:** Partial HTML files (i.e., without head and body sections) that can be inserted into placeholders on page templates to divide them into further smaller, reusable areas with their own placeholders and contribution regions.

- **Custom configuration scripts:** JavaScript files that override the default Contributor editor configuration to provide contributors with a customized editing experience.

The new site assets are in addition to the following site assets which already existed in previous Site Studio releases:

- **Contributor data files:** Content files in XML format that are generated by Site Studio. Contributor data files are edited using the Site Studio Contributor application.
- **Native documents:** Content files created using familiar third-party applications such as Microsoft Word. Native documents are converted to HTML format using Dynamic Converter, and they are edited using their associated application.
- **Images:** Graphic files (JPG, GIF, PNG) that are included in content files or page templates (for example, corporate banners or product images).
- **Scripts:** JavaScript files that provide a series of commands that can be executed without user interaction. Scripts are often used to provide additional functionality to web pages.
- **Cascading style sheets (CSS):** Files that provide control over how page content is displayed (more specifically, how different HTML elements, such as headers and links, appear on the page). Links to CSS files are often embedded in page templates, so their formatting rules apply to all web pages based on these templates.
- **Custom element forms:** HTML files that define custom forms for use in elements (for example, selection forms for specific file types). Site Studio comes with a number of predefined custom element forms (in *[CS-Dir]\custom\SiteStudio\elementforms*). These forms are also checked into the content server when the Site Studio component is installed.
- **Validation scripts:** JavaScript files that define the validation rules for element data in order to determine that the data meets the requirements (for example, it does not exceed a certain maximum length or contain some illegal characters).
- **Fragment libraries:** Collections of chunks of code (fragments) that enhance the functionality of a Site Studio web site (for example, by providing dynamic navigation aids or a standard page footer).
- **Manager configuration settings:** Files that define the functionality that is available in Site Studio Manager. Manager is a web-based tool that allows designated users (site managers) to modify the structure of a web site.
- **Conversion definitions:** Files that specify the conversion rules for native documents on a web site.
- **Other media:** Any other media files that could be used on a web site, such as Flash animations, video files, audio files, and so on.

See the *Site Studio Designer Guide* for more information on the new architecture and site assets in Site Studio 10gR4.

### **New Default Contributor Editor**

Site Studio Contributor now uses FCKeditor as the default editor. You can also choose to set up the contribution environment to use Ephox as the editor. See the *Site Studio Installation Guide* for details on how to do that.

See the *Site Studio Contributor Guide* for more information on the Contributor application.

### **Static and Dynamic Lists as Elements**

Static lists and dynamic lists are now elements, and can be more easily implemented and modified using element definitions. In previous versions of Site Studio, lists were fragments. As elements, the editor interface in Contributor is now more easily modified to match the editors for the other elements.

### **More Custom Elements**

This release of Site Studio includes more types of custom elements. Many data-driven web sites can contain values (boolean, integer, etc.) that control the content. With more custom elements, the designer and contributor are able to utilize more forms of data control. Site Studio comes with a number of predefined custom element forms (in `[CS-Dir]\custom\SiteStudio\elementforms`). These forms are also checked into the content server when the Site Studio component is installed.

### **Custom Configuration Scripts**

Site Studio now uses custom configuration scripts to customize the editor. The designer can modify the contributor interface to suit specific business needs. An example of this would be to add a button to a toolbar to perform specialized functions in the editor.

### **Switch Content Wizard**

Changing the content assigned to a region is now handled through a wizard. The wizard makes it easier to use and reuse site assets on the site. You can use the wizard to switch to another contributor data file, native document, or a subtemplate. The wizard itself is also designed for ease of use. Also, click-through blue arrows were added to speed the wizard, rather than selecting an option and clicking the 'Next' button.

### **Link Wizard**

The link wizard has been redesigned for ease of use. It is now easier and faster to create links through the wizard by using the blue arrows added to the wizard, instead of selecting an option then clicking the 'Next' button.

### **Dialogs More Tightly Integrated in Design Environment**

The site asset definition and configuration dialogs are now more tightly integrated in the site design environment. These dialogs can be viewed as tabs in the design area.

## **2 Resolved Issues**

Site Studio 10g Release 4 (10.1.4.5.0) resolves a number of issues that were discovered in earlier releases.

## **2.1 Compared to Site Studio 10gR4 (10.1.4.0.0, Build 9.0.0.378 and Higher)**

For a list of the resolved issues in this release compared to earlier 10gR4 (10.1.4.0.0) releases, please refer to *releasenotes.txt* in the root of the Site Studio 10gR4 distribution package.

## **2.2 Compared to Site Studio 10gR4 (10.1.4.0.0, Build 9.0.0.354)**

### **Site Studio Contributor Reports an Expired Certificate**

The security certificate for Oracle had expired in mid-January 2009, requiring that some users use the Site Studio Certificate Validation tool from the My Profile page. The certificate has been updated.

### **Broken Image Links When Using ssWeblayoutUrl**

In some instances, a bad URL was created when the Document Converter was used on a page before ssWebLayoutUrl, and SSWeblayoutUrlUsesDocNames was set to true. This has been resolved.

### **Image Validation Fails**

Image validation would not allow any image to pass. This has been resolved.

### **Site Studio Overwrites query\_form\_search\_within\_function**

It was discovered that the Site Studio component on the Content Server was overwriting the values for the query\_form\_search\_within\_function without calling super. This has been resolved.

### **Installing Site Studio Component with the Component Wizard Returns an Error**

Using the Component Wizard to install the Site Studio component on the Content Server would display an error. The installation of Site Studio was not affected. This error message has been resolved.

### **Browser Runs Slowly While Editing in Contributor**

In some cases, when using Internet Explorer on a site with large CSS files, a user would get an error message after clicking 'Edit' that said that the JavaScript was causing the browser to run slowly. This has been resolved. The browser runs normally, and there is no performance degradation.

### **Profile Trigger Values Do Not Populate Menus Driven By Tables**

Profile Trigger values driven from tables (rather than option lists) did not work correctly in Site Studio Designer. This has been resolved.

### **Memory-Based Cache Optimization**

Site Studio uses many different memory based caches to optimize performance. Changes have been made to both the amount of memory used by these caches and to the way the size of the caches are reported to the system. These changes allow control of cache sizes for optimal memory management. See *MemoryUsageNotes.txt* in the Site Studio component install directory for details.

## 3 Installation Considerations

The following special considerations should be taken into account when installing Site Studio 10g Release 4 (10.1.4.5.0):

### 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.

## 4 Implementation Considerations

The following special considerations should be taken into account when using Site Studio 10g Release 4 (10.1.4.5.0):

### English-Only Release

Site Studio 10g Release 4 (10.1.4.5.0) is an English-only release. None of the applications, or their documentation or help, have been localized.

### Using Pre-10gR4 Site Studio Projects

Site Studio 10gR4 is fully compatible back to release 10.1.3.3.3. This means that you can use Site Studio Designer 10gR4 to work with sites created in earlier Site Studio releases. It is important to note that these sites will continue to work in "legacy" mode; that is, they will use the pre-10gR4 architecture and they will not take advantage of the new architecture and features introduced in Site Studio 10gR4.

### Using Pre-10.1.3.3.3 Site Studio Projects

Site Studio 10gR4 will work with sites created in releases 10.1.3.3.2 and earlier. However, sites created before this release will need to have their custom elements updated to work fully. Object properties are also no longer used, so any functionality based on object properties will not work unless you update. You can otherwise seamlessly use Site Studio Designer 10gR4 to work with sites created in earlier Site Studio releases. If you do not update these functions, the remainder of the site will work in 10gR4, but in "legacy" mode; that is, they will

use the pre-10gR4 architecture and they will not take advantage of the new architecture and features introduced in Site Studio 10gR4.

### **Upgrading Pre-7.5 Site Studio Projects**

If you want to use Site Studio projects created in Designer releases prior to 7.5, you need to upgrade them first. See the *Site Studio Installation Guide* for more information. Additionally, custom elements will need to be re-written, and object properties are no longer supported. Please note that, after upgrading, these projects will work as "legacy" projects; that is, they will use the pre-10gR4 architecture and they will not take advantage of the new architecture and features introduced in Site Studio 10gR4.

### **JSP and ASP**

JSP and ASP are supported only in legacy Site Studio projects (that is, projects that use the pre-10gR4 architecture). These will typically be projects that were created in a Site Studio release prior to 10gR4 and that are opened in Designer 10gR4.

### **Contributor Editor**

Site Studio 10g Release 4 (10.1.4.5.0) uses a new default Contributor editor (FCKeditor rather than Ephox). You can change the default editor by modifying a configuration variable on the content server. See the *Site Studio Installation Guide* for details.

### **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 appears.
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**.

### **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 (page templates, 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.

### **URLs With Relative Paths**

If a relative path is broken when you attempt to select URLs within a web site structure, double-check that the required patches are installed on the content server. 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 plug-in version for Site Studio is 10.1.3.3.3, then the proper patches are installed.

### **Viewing Your Site on a Content Server Proxy**

If you plan to view your site using a Content Server proxy, make sure that you install the Site Studio component on both the Content Server proxy and its associated master. Otherwise, the site cannot be viewed successfully. For more information, see the *Site Studio Installation Guide*.

### **Naming a Web Site when Using Full-Text Indexing**

Since the Site ID field is a full-text index field, you should take care to not use a site ID that would appear in the full-text search engine's "stop list." If you do, your Site Studio site will not work as expected in Site Studio Designer.

An example of this would be a website for the World Health Organization, which might use the shortened site ID "who."

### **Site Studio and dbFileStoreProvider**

Site Studio can be used in conjunction with dbFileStoreProvider in "webless" mode, but please note the following:

- Site Studio fragments and their assets are deployed to the fragments directory below the */weblayout/fragments* folder.
- Web site control files are deployed to the */weblayout/websites* folder.
- JSP support files (if using a JSP Web site) are deployed to the root of each security group, the */groups/secure/web-wf* folder.

## 5 Documentation

The following documentation is available for Site Studio 10gR4:

- **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 Administrator and Manager Guide:** This document contains information about all Site Studio tasks that can be performed from within the Content Server interface. They are administrative tasks (replicating sites, backing up sites, etc.) and tasks related to managing sites, as allowed by the site designer (adding sections, assigning primary and secondary pages, etc.).
- **Site Studio Designer Guide:** This document contains information to assist individuals who are responsible for the design of web sites managed by Site Studio and Content Server. It 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 contains information to assist individuals in organizations who are responsible for the maintenance and/or creation of content for web sites managed by Site Studio and Content Server. It provides conceptual information as well as step-by-step instructions for use.

Site Studio 10gR4 comes with comprehensive online Help systems for the various applications as well as a full set of PDF documentation, including an installation guide and user guides. 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 documentation and help for Site Studio 10g Release 4 (10.1.4.5.0) are available in English only.

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Oracle Site Studio Release Notes, 10g Release 4 (10.1.4.5.0)

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