

Oracle® Fusion Middleware

Managing Oracle Site Studio

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Preface

Managing Oracle Site Studio contains information about all Oracle Site Studio tasks that can be performed from within the Content Server interface. They are administrative tasks (replicating sites, backing up sites, and so on) and tasks related to managing sites, as allowed by the site designer (adding sections, assigning primary and secondary pages, and so on).

Audience

This document is intended for those people identified in the organization who are responsible for the administration and management of Web sites controlled by Oracle Site Studio.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Site Studio documentation set:

- *Using Oracle Site Studio Contributor*
- *Using Oracle Site Studio Designer*
- *Using Oracle Site Studio Publisher*
- *Technical Reference for Oracle Site Studio*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Introduction

Oracle Site Studio is a powerful, flexible web development application suite that offers a comprehensive approach to designing, building, and maintaining enterprise-scale Web sites. It goes beyond conventional HTML and script editors by offering Web site creation and content management all in one.

Oracle Site Studio brings several concepts to the Web site development and management process including several applications geared to different site roles (designer, contributor, manager, administrator), manageable site hierarchies, reusable site assets and content, fragments, and editable site regions. When used together, you can create enterprise-scale Web sites without the publishing bottlenecks typically associated with such sites.

The following topics describe Oracle Site Studio in more detail:

- ["Oracle Site Studio Software Suite"](#) on page 1-1
- ["Oracle Site Studio Users"](#) on page 1-2
- ["Oracle Site Studio Publishing Model"](#) on page 1-3
- ["Oracle Site Studio Administration"](#) on page 1-7

1.1 Oracle Site Studio Software Suite

Oracle Site Studio has many parts to it, some of which operate on the content server and others that operate on client computers. The parts are used so that an organization can create, manage, and distribute a Web site in a timely and seamless fashion. The organization can create and change the roles for each individual responsible for the site.

To accommodate this, Oracle Site Studio comprises the following parts:

Oracle Site Studio Product	Description
Content Server component	<p>The component must be installed on the content server before anything else. It is required for Web sites to function. The component provides numerous server-side functions, and it communicates with clients (like Designer) and other parts of the site.</p> <p>The component also provides the Oracle Site Studio administration interface, which is used by site administrators to perform several administrative tasks for Web sites. See "Oracle Site Studio Administration" on page 1-7.</p>

Oracle Site Studio Product	Description
Oracle Site Studio Designer	A client-side application that provides a development environment in which site designers can create and design Web sites, including defining page templates, setting up editable page regions, and so on. For more information, see <i>Using Oracle Site Studio Designer</i> .
Oracle Site Studio Manager	A web-based application that provides an environment in which site managers can make changes to the site hierarchy such as adding and removing sections, changing the page template assigned to a section, and modifying several site properties. For more information, see "Using Oracle Site Studio Manager" on page 2-3.
Oracle Site Studio Contributor	A client-side application that provides an in-context editing environment in which site contributors can add and edit web pages on existing Web sites. For more information, see <i>Using Oracle Site Studio Contributor</i> .

While the applications are separate, they are tightly integrated. Tasks performed in Designer affect Manager and Contributor, and tasks performed in Manager affect Contributor. It is assumed that people using Manager also occasionally use Contributor.

1.2 Oracle Site Studio Users

Oracle Site Studio provides an environment where three types of users can create and maintain Web sites:

- **Designer:** Possibly a webmaster or web developer, this individual is responsible for creating the site, designing page templates, adding and editing fragments, setting up editable or manageable site areas, and so on.
- **Manager:** Possibly the head of a division or department, this individual is responsible for the structure of the site, modifying sections, creating areas, reassigning page templates, and so on.
- **Contributor:** Possibly a member of the marketing or sales team, this individual is responsible for adding and editing the content that appears on the site.

Typically, one designer works with multiple managers, and each manager with one or more contributors. The designer may also choose to initially hand the site over to a manager, who builds the site hierarchy and determine where content should go. The manager could then notify contributors to start updating (or creating) the content of the site pages.

Note: One person may have multiple roles, depending on the organization's size and structure.

In addition to these three Oracle Site Studio roles, there may also be separate site **administrators**, who could take on responsibility for assigning web addresses to the site, backing up the site, replicating the site, and so on. All these administrative tasks are performed on the content server.

1.3 Oracle Site Studio Publishing Model

Oracle Site Studio is designed around a three-user model: designer, manager, and contributor. The designer creates the site, the manager operates the site, and the contributor adds and edits content on the site. This model helps organizations get a site up and running quickly and efficiently, and it enables the users in the organization to update content quickly without any of the bottlenecks often associated with large Web sites.

Here is a summary of the tasks performed and the applications used to perform each task:

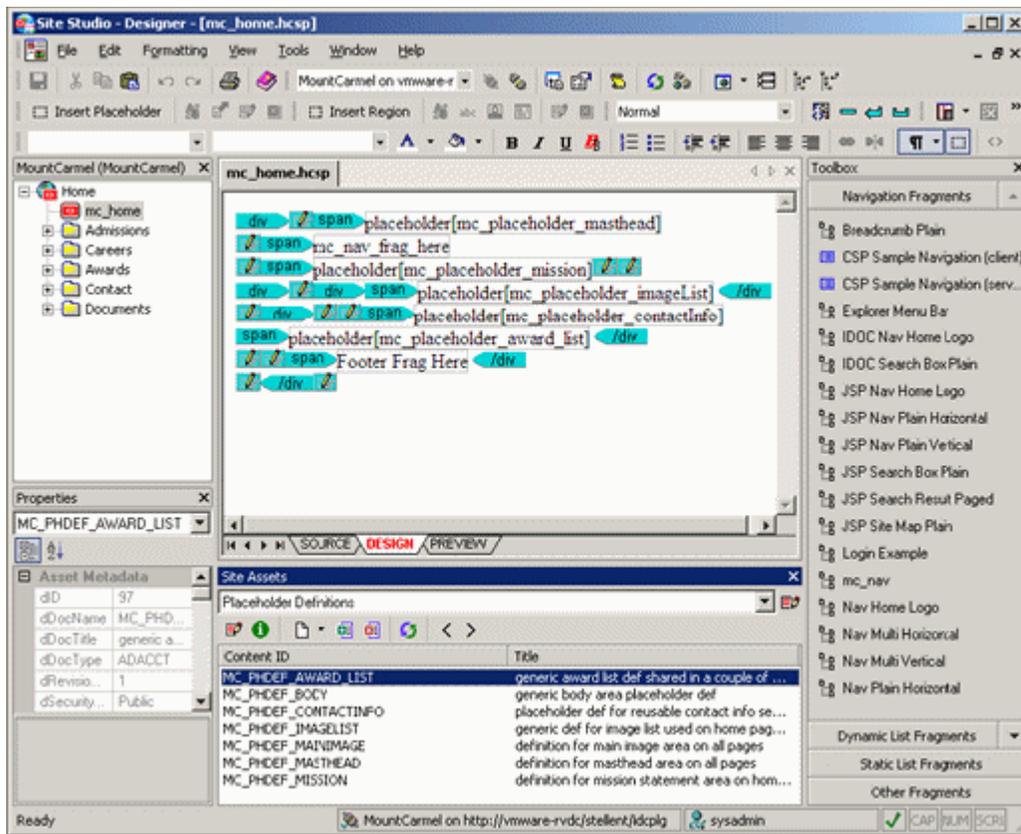
- [Step 1: Create the Site In Designer](#)
- [Step 2: Manage the Site in Manager](#)
- [Step 3: Add and Edit Content in Contributor](#)
- [Step 4: Preview and Distribute the Completed Web Site](#)

Note: Your organization may choose to follow this model or come up with its own publishing model depending on its needs.

1.3.1 Step 1: Create the Site In Designer

The designer of the site starts the process by creating a site connection to the server hosting the site, a site name, and a site address. The designer then defines the site assets (placeholders, page templates, element definitions, and so on) and builds the site based on these assets, including creating the site hierarchy (unless this task is left to the manager). All of these tasks are performed in Oracle Site Studio Designer.

Figure 1–1 Designer Application

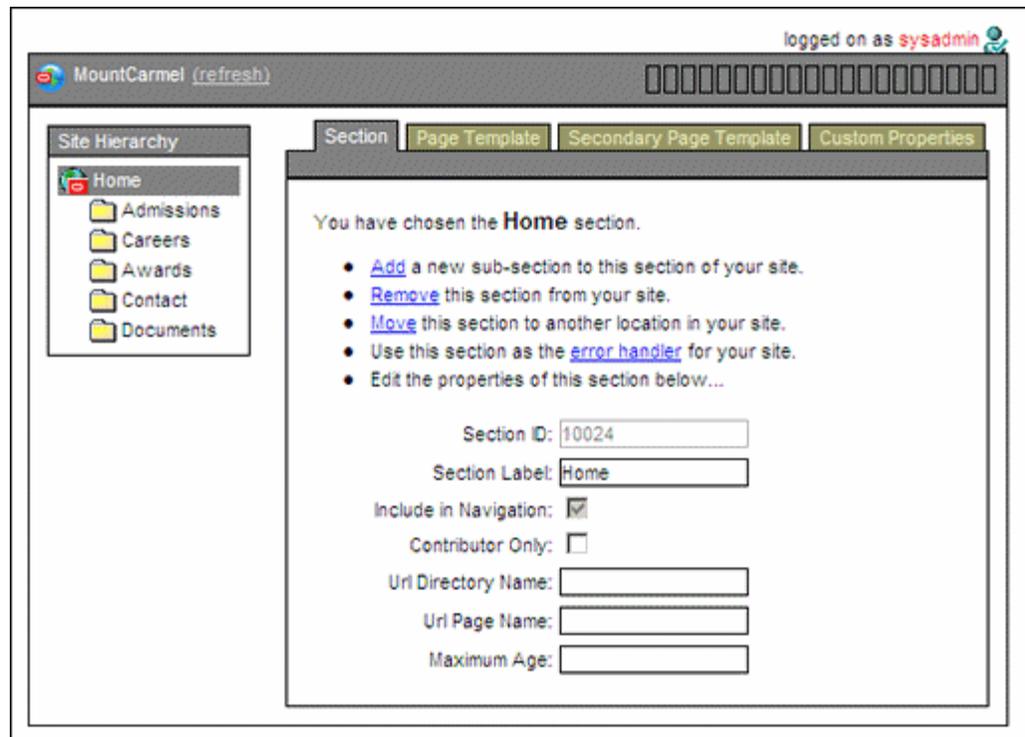


When finished, the designer notifies the site manager and site contributors that the site has been created and now must be managed and edited. To do this, the designer may place instructions in a contributor-only section of the site, or implement a more formal process using workflows or a different method in accordance with the organization's standard procedures.

Note: For more information on the Oracle Site Studio Designer application, see the *Using Oracle Site Studio Designer*.

1.3.2 Step 2: Manage the Site in Manager

When the manager enters the site, most of the site design should be complete (that is, the look-and-feel of the site pages). The manager can review and modify the defined site hierarchy (if the designer chose to set up a hierarchy), add and modify sections, assign templates to site pages, and set some site properties. All of these tasks are performed in Oracle Site Studio Manager.

Figure 1–2 Manager Application

Depending on how it was set up by the site designer, the Manager application may be available on every page of the site or only on a dedicated section of the site. It can also be opened from the Oracle Site Studio administration pages in the Content Server user interface.

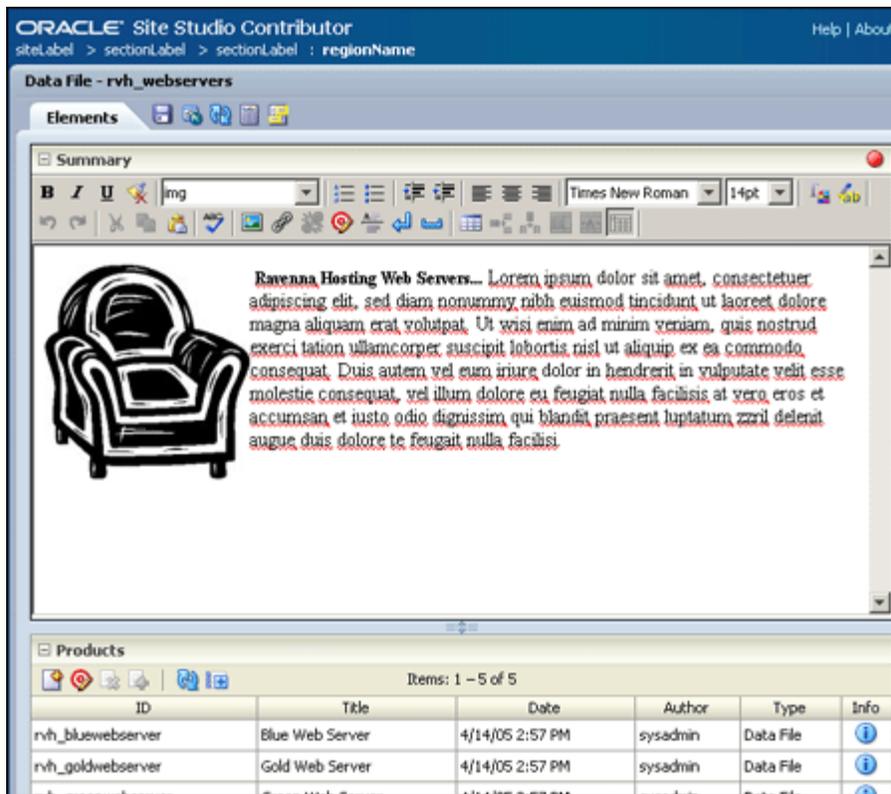
When finished, the manager notifies one or more contributors to start adding and editing the content on the site. The manager may pass these instructions along in a contributor-only section of the site or implement a more formal process using workflows or a different method in accordance with the organization's standard procedures.

Note: For more information on the Oracle Site Studio Manager application, see the [Chapter 2, "Managing Web Sites."](#)

1.3.3 Step 3: Add and Edit Content in Contributor

By the time a contributor starts work, the full site hierarchy should be ready for content. Contributors then add and edit the content that appears on each page on the site. This means working with text, graphics, lists, links to pages, and much more. All of these tasks are performed in Oracle Site Studio Contributor.

Figure 1–3 Contributor Application



Depending on how the site was set up by the designer and the manager, the contributor's experience varies from page to page and Web site to Web site. The contributors may be working exclusively in the Contributor application (when editing contributor data files) or third-party applications (when editing native documents). Additionally, several options might be enabled or disabled in Oracle Site Studio Contributor.

When finished, contributors may notify other contributors or reviewers that the page has been added or edited. They may communicate with one another in contributor-only sections or follow a formal review process using workflows or a different method in accordance with the organization's standard procedures.

Note: For more information on the Oracle Site Studio Contributor application, see *Using Oracle Site Studio Contributor*.

1.3.4 Step 4: Preview and Distribute the Completed Web Site

With everyone's work complete, the final Web site can be made live. To distribute the site to the user, it may must be replicated to a server dedicated to site consumption.

Figure 1–4 Live Version of Web Page



1.4 Oracle Site Studio Administration

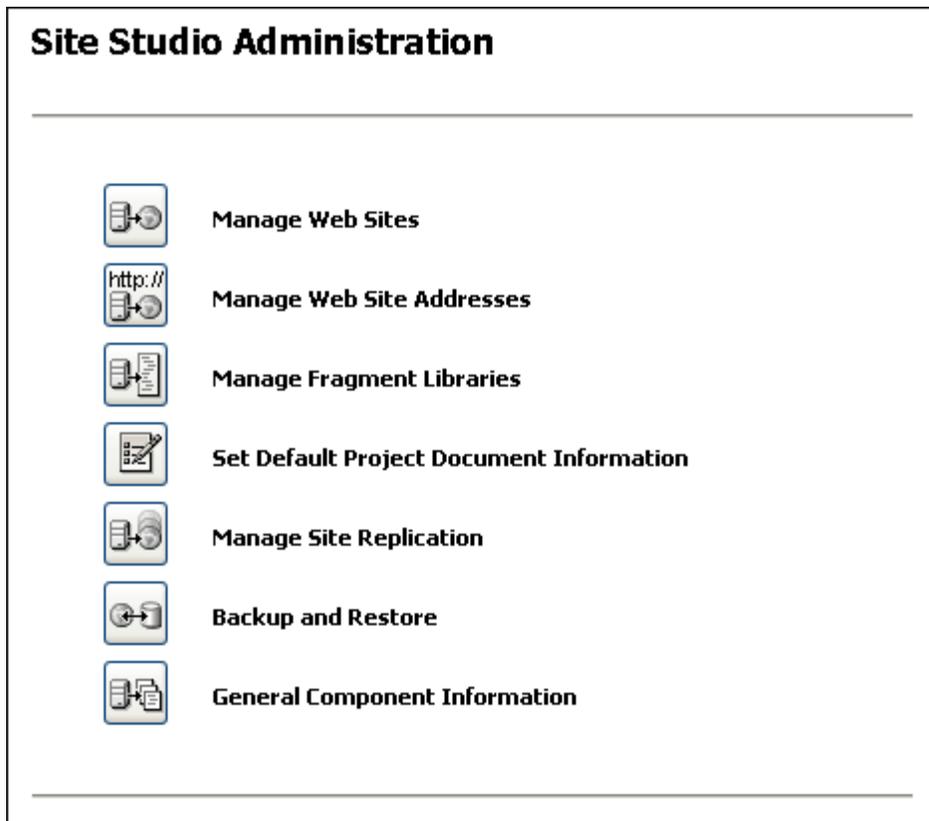
In addition to using the Designer, Manager, and Contributor applications to create and manage a site, you can also perform several administrative tasks from within the Oracle Content Server interface, including starting and stopping sites, assigning default metadata to project files, managing fragment libraries, replicating sites, and backing up and restoring sites.

You perform these tasks from the Oracle Site Studio Administration page in the Oracle Content Server interface. To open this page, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed. If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

Figure 1–5 Oracle Site Studio Administration Page



The following options are available on the Oracle Site Studio Administration page:

Element	Description
Manage Web Sites	<p>Opens the Manage Web Sites page (see "Manage Web Sites Page" on page A-1), where you can view each site, update navigation, view a site report, stop and start the site, and reload a site.</p> <p>See Chapter 2, "Managing Web Sites" for more information.</p>
Manage Web Site Addresses	<p>Opens the Manage Web Site Addresses page (see "Web Site Addresses Page" on page A-9), where you can add domain addresses that point to your Web site.</p> <p>See Chapter 3, "Managing Web Site Addresses" for more information.</p>
Manage Fragment Libraries	<p>Opens the Manage Fragment Libraries page (see "Manage Fragment Libraries Page" on page A-10), where you can deploy fragment libraries and configure JSP support, if necessary.</p> <p>See Chapter 4, "Managing Fragment Libraries" for more information.</p>
Set Default Project Document Information	<p>Opens the Set Project Default Document Information page (see "Set Default Project Document Information Page" on page A-11), where you can specify the default metadata that is assigned to new project files (created in Designer).</p> <p>See Chapter 5, "Setting Default Project Document Information" for more information.</p>

Element	Description
Manage Site Replication	<p>Opens the Manage Site Replication page (see "Manage Site Replication Page" on page A-13), where you can replicate your site from one content server to another.</p> <p>See Chapter 6, "Managing Site Replication" for more information.</p>
Backup and Restore	<p>Opens the Backup and Restore page (see "Backup and Restore Page" on page A-22), where you can create a backup of your Web site and restore from a backup of your Web site.</p> <p>See Chapter 7, "Backing Up and Restoring Web Sites" for more information.</p>
General Component Information	<p>Opens the General Component Information page (see "General Component Information Page" on page A-21), where you can view useful information about your site, including the version, Oracle Site Studio-specific metadata, directory paths, and so on.</p> <p>See Chapter 8, "General Component Information" for more information.</p>

You can open the Oracle Site Studio Administration page from the Administration section in Content Server or using the preview icon menu ([Figure 1–6](#)) in Designer (Oracle Site Studio Admin option).

Figure 1–6 *Preview Icon in Oracle Site Studio Designer*



Managing Web Sites

The Content Server interface offers several options that help you manage Oracle Site Studio Web sites. You can control the availability of the defined Web sites, update the navigation of these Web sites, start and stop the Web sites, and generate site reports. In addition, you can launch the Manager application, which enables you to modify the site hierarchy, add and remove sections, assign templates to site pages, and set some site properties.

Concepts

- ["About Managing Web Sites"](#) on page 2-1

Tasks

- ["Viewing a Web Site"](#) on page 2-1
- ["Updating Web Site Navigation"](#) on page 2-2
- ["Viewing Web Site Objects Reports"](#) on page 2-2
- ["Using Oracle Site Studio Manager"](#) on page 2-3
- ["Starting and Stopping the Web Site"](#) on page 2-12
- ["Reloading Web Sites"](#) on page 2-13
- ["On-Demand Web Sites"](#) on page 2-13

2.1 About Managing Web Sites

The Content Server interface offers several options that help you manage Oracle Site Studio Web sites. The management tasks are performed from the Manage Web Sites page on the content server (see ["Manage Web Sites Page"](#) on page A-1). You can control the availability of the defined Web sites, update the navigation of these Web sites, start and stop the Web sites, and generate site reports. In addition, you can launch the Manager application from this page, which enables you to modify the site hierarchy, add and remove sections, assign templates to site pages, and set some site properties.

2.2 Viewing a Web Site

All Web sites listed on the Manage Web Sites page are available for loading and viewing in a web browser. To view a managed Web site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Select the Web site to view from the list, and click **View Web Site**.
5. The Web site opens in the same browser window or tab.

2.3 Updating Web Site Navigation

As a site manager, you can modify the structure of a Web site, including adding and removing directories and subdirectories, or moving directories into other areas of the Web site. If you alter the site structure, then all site navigation should be updated (rebuilt).

To update a Web site's navigation, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Select the Web site to update navigation for, and click **Update Navigation**.

The Web site navigation is updated. There is no progress indication, but the page automatically refreshes when the process is done.

2.4 Viewing Web Site Objects Reports

Web site objects reports detail the activity of use of each part of a Web site. When implemented by the designer, Web site reports are available to site managers.

To view the objects reports of a Web site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Select the Web site to view reports for, and click **View Web Site Objects Report**.

The Web Site Objects Report page is displayed (see "[Web Site Objects Report Page](#)" on page A-9).

5. Click any of the object categories to see the report specific to that category.

2.5 Using Oracle Site Studio Manager

The Oracle Site Studio Manager application is available to assigned individuals who can use it to perform several site management tasks:

- "[Adding a Section](#)" on page 2-4
- "[Removing a Section](#)" on page 2-5
- "[Moving a Section](#)" on page 2-5
- "[Editing Section Properties](#)" on page 2-6
- "[Renaming a Section](#)" on page 2-7
- "[Showing or Hiding a Section on the Web Site](#)" on page 2-7
- "[Designating a Section as Contributor-Only](#)" on page 2-8
- "[Designating a Section as an Error Handler](#)" on page 2-8
- "[Changing the URL Associated With a Section or Page](#)" on page 2-9
- "[Changing the Maximum Age of a Section](#)" on page 2-9
- "[Changing Custom Properties](#)" on page 2-10
- "[Previewing Page Templates](#)" on page 2-10
- "[Assigning a Primary Page to a Section](#)" on page 2-10
- "[Assigning an External URL to a Section](#)" on page 2-11
- "[Assigning a Secondary Page to a Section](#)" on page 2-11
- "[Removing a Page Template From a Section](#)" on page 2-12
- "[Opening the Content Information Page for a Page Template](#)" on page 2-12

2.5.1 Launching Site Manager

The Oracle Site Studio Manager application is accessible from the Oracle Content Server interface, but the site designer may also provide access to the Manager application from a Web site. See *Using Oracle Site Studio Designer* for details on the latter option. To launch Site Manager from Oracle Content Server, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Select the Web site to manage, and click **Manage Site**.

The Manage Site page is displayed (see "[Manage Site Page \(Oracle Site Studio Manager\)](#)" on page A-3).

2.5.2 Adding a Section

You can add a section to your Web site from the site hierarchy or on the Section tab. To add a section to a Web site, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy where you want to add the section, and do either of the following:
 - With the mouse cursor on the selected section in the site hierarchy, right-click and choose **Add New Section**.
 - On the **Section** tab, click **Add**.

The Add New Section dialog is displayed ([Figure 2-1](#)).

Figure 2-1 Add New Section Dialog

3. Provide the information for the section:
 - **Label:** Enter the label for the section. The label is displayed in the site hierarchy and in the navigation menus on the Web site.
 - **URL:** The default URL is the section label minus any spaces. Enter a URL if you want it to be different from the one provided automatically. The URL value should not contain any spaces or special characters. The URL value is what represents this section in the web address (for example, in the address `http://www.mysite.com/product1/index.htm`, the URL value is "product1"). This value is also used in all path-based links to this section.
 - **Section ID:** Choose how the section should be identified by Oracle Site Studio:
 - **Auto-generate section ID:** The ID is automatically generated by Oracle Site Studio.
 - **Manually enter section ID:** You specify your own ID for the section. (The section ID should be unique in the content server.)

Note: The section ID (also called node ID) is used in all ID-based links that target this section.

4. Click **OK** to close the dialog and add the section to the site hierarchy.

Once you add the section to the site hierarchy, you can make changes to its properties on the Section tab (see "[Editing Section Properties](#)" on page 2-6). The section you added to the site hierarchy does not appear on the Web site until you specifically select it for inclusion in the site navigation (see "[Showing or Hiding a Section on the Web Site](#)" on page 2-7).

2.5.3 Removing a Section

You can remove a section from the site hierarchy so that it no longer appears on the Web site. To remove a section, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy to remove, and do either of the following:
 - With the mouse cursor on the selected section in the site hierarchy, right-click and choose **Remove this section**.
 - On the **Section** tab, click **Remove**.
3. Click **OK** to the confirmation message.

After a short delay, the section is removed from the site hierarchy.

Note: Even though you remove a section, the content associated with that section (page templates, fragments, graphics, and so on) remains in the content server and associated with your Web site.

2.5.4 Moving a Section

You can change the order of the sections in the site hierarchy, which affects how they appear on the Web site. There are two ways to move a section: by dragging and dropping in the site hierarchy, or using the Move command.

Moving Sections By Dragging and Dropping

To move a section by dragging and dropping it in the site hierarchy, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Click the section in the site hierarchy and drag it to the part of the site hierarchy where you want to move it.
3. When you let go of the left mouse button, a context menu appears asking where you want to put the section:
 - **Move Before section** *[name]*
 - **Move After section** *[name]*
 - **Move Into section** *[name]*
4. Select the appropriate relative location. If you choose "Move Into section...", the section becomes a sub-section of the selected section.

After a short delay, the section is shown in the site hierarchy.

Moving Sections Using the Move Command

To move a section using the Move command, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy to move, and do either of the following:
 - With the mouse cursor on the selected section in the site hierarchy, right-click and choose **Move this section**.
 - On the **Section** tab, click **Move**.

The Move Section dialog is displayed.

3. Select the location in the site hierarchy to move the section to, and select the appropriate relative location:
 - **Before**
 - **After**
 - **As child of**

If you choose "As child of," the section becomes a sub-section of the selected section.

4. Click **OK** when you have finished.

After a short delay, the section is shown in the site hierarchy.

2.5.5 Editing Section Properties

You can view and edit the properties of a selected section in the site hierarchy on the Section tab. You can view or modify the following properties:

- **Section ID:** This is the section ID that uniquely identifies the section in the site hierarchy (and the content server). This field is typically disabled because changing it can break links that target this section.
- **Section Label:** This is the name of the section. The name is displayed in the site hierarchy and in the navigation menus on the Web site (but not necessarily in the URL). You can change the section label if you want. See ["Renaming a Section"](#) on page 2-7 for further details.
- **Include in Navigation:** If this check box is selected, the section displays as a link in the navigation menus on the Web site. See ["Showing or Hiding a Section on the Web Site"](#) on page 2-7 for further details.
- **Contributor Only:** If this check box is selected, the section appears only when the site is viewed in contribution mode. This may be useful, for example, to communicate directly with contributors or to preview content before making it publicly available. See ["Designating a Section as Contributor-Only"](#) on page 2-8 for further details.
- **Url Directory Name:** This is the directory name of the section as it appears in the site URLs. For example, in the address `http://www.mysite.com/product1/index.htm`, the URL directory name is "product1." This value is also used in all path-based links to this section. By default, the URL directory name is identical to the section label, but you can use a different value if you want. The name should not contain any spaces or special characters. See ["Changing the URL Associated With a Section or Page"](#) on page 2-9 for further details.
- **Url Page Name:** This is the URL that represents the primary page (associated with this section) in the Web site address. If you do not specify a URL page name, then "index.htm" is used to represent the primary page. See ["Changing the URL Associated With a Section or Page"](#) on page 2-9 for further details.

- **Maximum Age:** This is the maximum amount of time (in seconds) that a Web site page in this section remains in cache. This improves the performance and security of an Oracle Site Studio Web site. See ["Changing the Maximum Age of a Section"](#) on page 2-9 for further details.

2.5.6 Renaming a Section

You can rename a section in the site hierarchy by changing its label and other relevant information. These settings can be changed under Section properties.

To rename a section, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy whose name and/or URL you want to change.
3. On the **Section** tab, enter a value for **Section Label**. This label is displayed in the site hierarchy and in the navigation menus on the Web site.
4. To change the path used for the section, enter a **Url Directory Name**. The name should not contain any spaces or special characters. See ["Changing the URL Associated With a Section or Page"](#) on page 2-9.
5. Press <Enter> on your keyboard or click elsewhere in Manager.

2.5.7 Showing or Hiding a Section on the Web Site

Each section in the site hierarchy displays as a link in the navigation menus on your Web site, unless you specifically choose not to include it. Here are some reasons why you may not want a section to appear in your site navigation:

- **Introducing new content:** When introducing a section or page template to the Web site, you may want to prevent it from being viewed publicly until it has been edited and tested. One way to do this is to not include it in the site navigation.

Another way to hide content is to make the section viewable only in contribution mode (see ["Designating a Section as Contributor-Only"](#) on page 2-8), or use workflow.

- **Search results page:** When using search functionality on an Oracle Site Studio Web site, the designer designates a section where the search results page is displayed. This section, however, is not intended for viewing out of the context of a search and therefore should be hidden from the site navigation.
- **Custom error page:** To use a custom error feature in Oracle Site Studio, the designer designates a section where the custom error page is displayed. This section, however, is not intended for viewing out of the context of receiving an error message and therefore should be hidden from the site navigation. See ["Designating a Section as an Error Handler"](#) on page 2-8 for further details.

By default, sections that you create are not included in the site navigation, and are therefore not automatically added as links to the Web site. You must specifically mark them for inclusion in the site navigation. The visibility status of a section in the site hierarchy is indicated by its icon ([Figure 2-2](#)).

Figure 2-2 Show and Hide Section Icons



To show or hide a section on the Web site, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy to show or hide, and do either of the following:
 - With the mouse cursor on the selected section in the site hierarchy, right-click and select or clear the **Include section in navigation** check box.
 - On the **Section** tab, select or clear the **Include in Navigation** check box.

After a short delay, the section icon in the site hierarchy is updated to reflect its visibility status ([Figure 2-2](#)).

2.5.8 Designating a Section as Contributor-Only

You can designate a section of the site to only appear when the site is viewed in contribution mode. Creating a contributor-only section can be useful, for example, to communicate directly with contributors or to preview content before making it publicly available.

To designate a section as contributor-only, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy to designate as contributor-only.
3. On the **Section** tab, select the **Contributor Only** check box.

You want to be sure to include the section in your site navigation even if it is to appear only in contribution mode (see "[Showing or Hiding a Section on the Web Site](#)" on page 2-7).

2.5.9 Designating a Section as an Error Handler

There are several circumstances in which a visitor or contributor to the site may encounter an error message generated by the content server. Examples of when users usually encounter error messages include situations when a secondary page is missing in the section where a file is being requested, or when a file (contributor data file or native document) has been removed from the site but still has a hyperlink pointing to it. To prevent users from encountering these types of errors, the designer of the site can create a custom error page. The manager (or the designer) can designate a section of the site to serve as an error handler and then assign the error page to that section.

To designate a section as an error handler, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy to designate as an error handler, and do either of the following:
 - With the mouse cursor on the selected section in the site hierarchy, right-click and select the **Set section as error handler** check box.
 - On the **Section** tab, click the **error handler** link.
3. After a short delay, the section icon in the site hierarchy is updated to reflect its status as the error handler ([Figure 2-3](#)).

Figure 2-3 Error Handler Icon



4. Make sure that the designated error-handler section is selected in the site hierarchy, and open the **Page Template** tab.
5. Beside **Preview page template**, select the page template for the custom error page, and click **Apply**.

When you designate a section as an error handler, do not include that section in your site navigation (see ["Showing or Hiding a Section on the Web Site"](#) on page 2-7).

Caution: It is possible in Manager to set the home page as the error handler page. This is not possible in Designer, and cannot be undone through Designer.

2.5.10 Changing the URL Associated With a Section or Page

The URL associated with a section (or page) is what represents this section in the complete web address. For example, in the address `http://www.mysite.com/product1/index.htm`, the URL associated with the section is "product1" and the URL associated with the page is "index.htm". This value is also used in all path-based links to this section, and should not contain any spaces or special characters.

To change the URL associated with a section or a page, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy whose name and/or URL you want to change.
3. Make sure the **Section** tab is open.

To change the URL that represents this section in the Web site address, enter a **Url Directory Name**. By default, the URL directory name is identical to the section label, but you can use a different value if you want.

To change the URL that represents the primary page (associated with this section) in the Web site address, enter a **Url Page Name**. If you do not specify a URL page name, then "index.htm" is used to represent the primary page.

4. Press <Enter> on your keyboard or click elsewhere in Manager.

Note: The name used for secondary pages is the content ID (dDocName) of the file (contributor data file or native document) appearing there. Contact the site designer for information on changing this value.

2.5.11 Changing the Maximum Age of a Section

One way to improve the performance and security of an Oracle Site Studio Web site is to implement a reverse proxy cache on the server. By placing a cache between the server and the user, you reduce the load put on a potentially busy server. If you have such a setup in your organization, you can use Manager to specify the maximum amount of time that a given page remains in cache.

To change the maximum age of a section, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy whose maximum age you want to change.

3. Make sure the **Section** tab is open.
Enter a value (in seconds) for **Maximum Age**. If you do not specify a maximum age, the file remains in cache indefinitely.
4. Press <Enter> on your keyboard or click elsewhere in Manager.

2.5.12 Changing Custom Properties

If your site contains custom properties, you see an additional Custom Properties tab in Manager. These properties are created by the designer of the site and they typically apply to this particular site or related sites on the content server. Section properties cannot be added or removed by a site manager; only their values can be edited.

Using a custom property, you can specify a different value for each section of the site and therefore affect how that section appears or functions on the site (designers can create fragments that read those values and then execute certain commands).

To change a custom property, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy whose custom properties you want to view or change.
3. Open the **Custom Properties** tab.
4. Enter the desired value for each custom property.
5. Press <Enter> on your keyboard or click elsewhere in Manager.

Note: Contact your site designer regarding the proper use of the custom properties.

2.5.13 Previewing Page Templates

As you manage your site, a task you perform frequently is preview page templates. Previewing page templates is useful to determine the best page template for a section, preview your changes to the site hierarchy or section properties, and so on.

To preview page templates, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. To preview a primary page, open the **Page Template** tab.

To preview a secondary page, open the **Secondary Page Template** tab.

3. Beside **Preview page template**, click the menu and select the desired page template.

The page template that you selected is displayed in the preview area.

2.5.14 Assigning a Primary Page to a Section

Each section in the site hierarchy should contain a primary page (or external URL), which serves as the default page (or landing page) for that section. You can assign a unique page template to each section or reuse the same page template in multiple sections.

To assign a primary page to a section, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).

2. Select the section in the site hierarchy to assign a primary page to.
3. Open the **Page Template** tab.
4. Beside **Preview page template**, click the menu and select the desired page template from the list.
5. Click **Apply**.

The page template that you selected is displayed in the preview area.

To add a home page to your site, select the root of the site in the site hierarchy ("Home") and assign a primary page to it. As an alternative to using a primary page, you can specify an external URL to use for the section (see ["Assigning an External URL to a Section"](#) on page 2-11).

2.5.15 Assigning an External URL to a Section

Instead of assigning a primary page to a section, you can also assign an external URL. The section then uses the web page of another Web site instead of a page template. Visitors coming to the section are directed to the web page URL that you specify.

To assign an external URL to a section, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy to assign an external URL to.
3. Open the **Page Template** tab.
4. Beside **Preview page template**, click the menu and select **Choose External URL...**
The Choose External URL dialog is displayed.
5. Specify the web address that you would like to use for this section of the site.
6. Click **OK**.

The web page that you specified is displayed in the preview area.

Using an external URL can be useful for linking to partner sites or department-level sites within the same organization. External URLs can be assigned for primary pages, but not secondary pages.

2.5.16 Assigning a Secondary Page to a Section

Each section in the site hierarchy should have a secondary page if contributors are adding files (contributor data files or native documents) to that part of the Web site. The secondary page acts like a backdrop for these files and ultimately enables contributors to add more pages to the Web site. You can assign a unique page template to each section or reuse the same page template in multiple sections.

To assign a secondary page to a section, perform these steps:

1. Launch the Site Manager Application (see ["Launching Site Manager"](#) on page 2-3).
2. Select the section in the site hierarchy to assign a secondary page to.
3. Open the **Secondary Page Template** tab.
4. Beside **Preview page template**, click the menu and select the desired page template from the list.
5. Click **Apply**.

The page template that you selected is displayed in the preview area.

Note: You can add a secondary page to the root of the site hierarchy (beside the home page). To do this, select the root of the site in the Site Hierarchy pane ("Home") and assign a secondary page to it.

2.5.17 Removing a Page Template From a Section

You can remove the page templates assigned to a section. Removing the page template removes its assignment to the section, but does not remove it from other sections or from the content server in general.

To remove the page template from a section, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. Select the section in the site hierarchy whose page templates you want to remove.
3. To remove a primary page, open the **Page Template** tab.

To remove a secondary page, open the **Secondary Page Template** tab.

4. Beside the page template, click **clear**.

The page refreshes without the assigned page template.

2.5.18 Opening the Content Information Page for a Page Template

There may be times when you want to view the content information of a primary or secondary page template to see what metadata is assigned to it, who authored it, and so on.

To open the content information page for a page template, perform these steps:

1. Launch the Site Manager Application (see "[Launching Site Manager](#)" on page 2-3).
2. For primary pages, open the **Page Template** tab.
For secondary pages, open the **Secondary Page Template** tab.
3. Click the info icon ([Figure 2-4](#)) next to the page template.

Figure 2-4 Info Icon



You are taken to the standard content information page in the content server, where you can view or update the metadata assigned to the page template.

2.6 Starting and Stopping the Web Site

Site managers may occasionally be required to take a site down, or restore a site to make it available once more. The sites that are currently up and available are listed on the Manage Web Sites page (see "[Manage Web Sites Page](#)" on page A-1), in the **Web Sites** area under the heading "Running Web Sites." The Web sites that have been stopped are listed under "Stopped Web Sites."

To start or stop a Web site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Select the site and click either **Start Web Site** or **Stop Web Site**.

2.7 Reloading Web Sites

When sites are started and stopped, occasionally the list of the running and the stopped Web sites must be refreshed to reflect the current status.

To reload all Web sites, perform these steps:

1. Log in to the content server as an administrator.

2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Web Sites**.

The Manage Web Sites page is displayed (see "[Manage Web Sites Page](#)" on page A-1).

4. Click **Reload Web Sites**.

2.8 On-Demand Web Sites

Oracle 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.

Those sites marked on the Manage On-Demand Web Site page (see "[Manage On-Demand Web Sites Page](#)" on page A-8) as on-demand will only have enough information loaded to resolve the URLs associated with those Web sites. For those who run large numbers of Web sites, thus fewer sites are loaded into memory when the server is started, cutting down the start-up time.

Those sites that are on-demand will take slightly longer to load the first time they are requested on the server, as the project file must be fully loaded. Any request for the site from the content server will fully load any on-demand site.

Once a site is loaded in the content server, it will remain loaded.

This section covers the following topics:

- "[Working with On-Demand Web Sites in Administrator](#)" on page 2-14

- ["Working with On-Demand Web Sites in Designer"](#) on page 2-14

2.8.1 Working with On-Demand Web Sites in Administrator

From the Oracle Site Studio Administration page, select Manage Web Sites.

1. From the Oracle Site Studio Administration page, select **Manage Web Sites**.

The Manage Web Sites page displays (see ["Manage Web Sites Page"](#) on page A-1 for more information).

2. Click **Manage On-Demand Web Sites**.

The Manage On-Demand Web Sites page displays (see ["Manage On-Demand Web Sites Page"](#) on page A-8 for more information).

Select the checkboxes for the Web sites you want to load on-demand, and click **Update**.

2.8.2 Working with On-Demand Web Sites in Designer

When a Web site is marked as on-demand, the addresses for the sites will still show in the Oracle Site Studio Designer Connection Manager without loading any of the Web sites. The population of the address in the Connection Manager does not load any of the Web sites on the server.

However, when a designer opens a site in Oracle Site Studio Designer to make any changes, this does load the Web site. This might be something you should consider when selecting which sites to mark as on-demand.

Managing Web Site Addresses

Oracle Site Studio can identify a Web site using a folder address, a domain address, or a combination of both. The Administrator can specify a domain, a folder, or a combination to map to a particular Web site.

Concepts

- ["About Web Site Addresses"](#) on page 3-1

Tasks

- ["Adding a Web Site Address"](#) on page 3-1
- ["Selecting and Deselecting Default Web Addresses"](#) on page 3-2
- ["Removing a Web Site Address"](#) on page 3-3

3.1 About Web Site Addresses

Oracle Site Studio can identify a Web site using a folder address, a domain address, or a combination of both. The Administrator can specify a domain, a folder, or a combination to map to a particular Web site.

A folder-based site, using a folder address, uses only the folder to identify a site. An example of this would be `www.example.com/SiteStudio`, where the folder `SiteStudio` identifies the specific site on the domain.

A domain-based site uses simply a domain to identify a site. Examples would be `www.example.com`, or `sales.example.com`. The domain identifies the site.

The combination of both uses a domain and a folder (or any number of folders). Common examples of this are to use language folders, such as `www.example.com/en/` or `www.example.com/fr/`.

You can set a Web site address for an Oracle Site Studio Web site on the Oracle Site Studio Administration page on the content server.

A domain address requires additional DNS configuration that the site manager or site administrator must perform.

3.2 Adding a Web Site Address

Domain addresses are usually easier to remember for people to remember when accessing a site than folder addresses are. Adding domain addresses can then make your site easier to access.

To add a Web site address, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.
The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.
3. Click **Manage Web Site Addresses**.
The Web Site Addresses page is displayed (see "[Web Site Addresses Page](#)" on page A-9).

Note: You can also use the Site Address dialog in Oracle Site Studio Designer to configure domain addresses.

4. Select a Web site and enter an address. When entering domain addresses, do not enter the connection (for example, <http://> or <https://>)
5. Click **Add**.
The Web site address is displayed at the top of the page.

3.3 Selecting and Deselecting Default Web Addresses

When web addresses for the Web sites have been entered, a default web address for a given Web site can be selected, and an existing default web address can be removed as the default. The default web address is the first address listed when Web sites are listed in Oracle Site Studio.

Selecting a Default Web Address

To make a Web site address as the default, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.
The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7).
3. Click **Manage Web Site Addresses**.
The Web Site Addresses page is displayed (see "[Web Site Addresses Page](#)" on page A-9). If you run Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.
4. In the list of Web site addresses, click the actions icon next to the address.
5. From the menu, select **Select as Default Web Address**.
The default web address is displayed in bold.

Deselecting a Default Web Address

To deselect a Web site address as the default, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click [Manage Web Site Addresses](#).

The Web Site Addresses page is displayed (see "[Web Site Addresses Page](#)" on page A-9).

4. In the list of Web site addresses, click the actions icon next to the address.

5. From the menu, select **Deselect as Default Web Address.**

The default web address is no longer displayed in bold.

3.4 Removing a Web Site Address

When a Web site address is no longer useful, it can be removed.

To remove a Web site address, perform these steps:

1. Log in to the content server as an administrator.

2. In the Administration section, select **Oracle Site Studio Administration.**

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click [Manage Web Site Addresses](#).

The Web Site Addresses page is displayed (see "[Web Site Addresses Page](#)" on page A-9).

4. In the list of Web site addresses, click the actions icon next to the address to be removed.

5. From the menu, select **Remove Site Address.**

The Web site address is no longer included in the list.

Managing Fragment Libraries

In Oracle Site Studio, fragments are compiled in libraries which can be made available to multiple Web sites.

Concepts

- ["About Fragment Libraries"](#) on page 4-1

Tasks

- ["Deploying a Fragment Library on the Server"](#) on page 4-1
- ["Configuring JSP Fragments on the Server"](#) on page 4-2

4.1 About Fragment Libraries

A fragment can be a single line of text (perhaps one that states your company's copyright), or it can be a complex collection of scripts performing client-side and server-side actions (such as a JavaScript-based menu).

Fragments are compiled in libraries which can be made available to multiple Web sites. A fragment library must be located in the `[CS-Dir]\weblayout\fragments` directory to be available to your Web site. They are deployed to this location by default when you install Oracle Site Studio. However, if you manually check a fragment library into the content server, you must deploy it to this location.

4.2 Deploying a Fragment Library on the Server

If you have a fragment library that is checked into the content server but not deployed to the appropriate directory where it can be used by your site, then you can deploy your fragments in the Oracle Site Studio Administration section on the content server.

To deploy a fragment library on the server, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see ["Oracle Site Studio Administration"](#) on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Fragment Libraries**.

The Manage Fragment Libraries page is displayed (see ["Manage Fragment Libraries Page"](#) on page A-10).

4. Select the fragment library to deploy.
5. Click **Deploy Fragment Library**.

The fragments are deployed to the `[CS-Dir]\weblayout\fragments` directory on the content server. After this is done, the page refreshes and the Deploy Fragment Library button is disabled again (until you select another library).

As an alternate to performing these steps, you can use the Upload Fragment Library/Download Fragment Library feature in the Designer application. See *Using Oracle Site Studio Designer* for more information.

4.3 Configuring JSP Fragments on the Server

If, after installing the Oracle Site Studio component, you add a group to the list of JSP-enabled groups in the content server, you must redeploy (extract) the JSP support files that enable Oracle Site Studio JSP fragments to work properly.

To configure JSP fragments on the server, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Fragment Libraries**.

The Manage Fragment Libraries page is displayed (see "[Manage Fragment Libraries Page](#)" on page A-10).

4. Click **Configure JSP Support**.

The required support files are extracted to the appropriate location on the content server.

4.4 Compressing Contributor JavaScript

There is a lot of JavaScript used to help Contributor load and apply changes that contributors make to a Web site. The JavaScript can be compressed which can improve the performance of serving the Web site. This compression involves stripping out spaces and line breaks, as well as replacing long variable names with single letters. All JavaScript is then concatenated.

To compress the Contributor JavaScript, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Fragment Libraries**.

The Manage Fragment Libraries page is displayed (see "[Manage Fragment Libraries Page](#)" on page A-10).

4. Click **Compress Contributor JavaScript**.

The JavaScript files are compressed and concatenated, then placed on the content server.

Setting Default Project Document Information

When you create a web site in Oracle Site Studio, it generates an XML-based project file and checks it into the content server with certain metadata values. The default document information specifies which fields are automatically filled. The default project document information is useful to make entering web site sections easier and grouping them more usefully on the content server.

Concepts

- ["About Default Project Document Information"](#) on page 5-1

Tasks

- ["Setting Default Project Document Information"](#) on page 5-1

5.1 About Default Project Document Information

When you create a web site in Designer, Oracle Site Studio generates an XML-based project file and checks it into the content server with certain metadata values. The default document information specifies which fields are automatically filled.

The default project document information is useful to make entering Web site sections easier and grouping them more usefully on the content server.

5.2 Setting Default Project Document Information

To enter the default project document information, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see ["Oracle Site Studio Administration"](#) on page 1-7). If you run Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Set Default Project Document Information**.

The Set Default Project Document Information page is displayed (see ["Set Default Project Document Information Page"](#) on page A-11).

4. Enter the information for the default values in the applicable fields. All required metadata fields have red-colored field labels. If a field does not need or should not have default information, you can leave it blank.
5. Click **Update** (at the bottom of the page).

Managing Site Replication

When you replicate a site, you copy the site hierarchy, page templates, fragments, contributor data files, native documents, site assets, and more. The replication feature in Oracle Site Studio uses the existing replication framework in the content server (Archiver/Replicator).

Concepts

- ["About Site Replication"](#) on page 6-1
- ["Replication Process"](#) on page 6-2
- ["What Gets Replicated"](#) on page 6-3
- ["Revisions Included"](#) on page 6-3
- ["Additional Export Settings"](#) on page 6-3

Tasks

- ["Configuring the Target Server for Replication"](#) on page 6-3
- ["Setting Up an Outgoing Provider on the Source Server"](#) on page 6-4
- ["Setting Up the Import Archive on the Target Server"](#) on page 6-5
- ["Setting Up the Export Archive on the Source Server"](#) on page 6-6
- ["Starting the Site Replication"](#) on page 6-8
- ["Setting Up "Ready to Replicate" on page 6-8](#)

6.1 About Site Replication

To better understand replication, you should be aware of the terminology and processes that are involved. Because Oracle Site Studio relies on the content server's Archiver/Replicator tool to replicate the site, you can refer to the content server documentation for more information.

To replicate your site, you must perform several steps to ensure that the site works properly on the server that you are copying it to (the target server). You must prepare that server environment, configure the two servers so that they communicate with one another, set up archives on both servers, and finally, perform the actual replication.

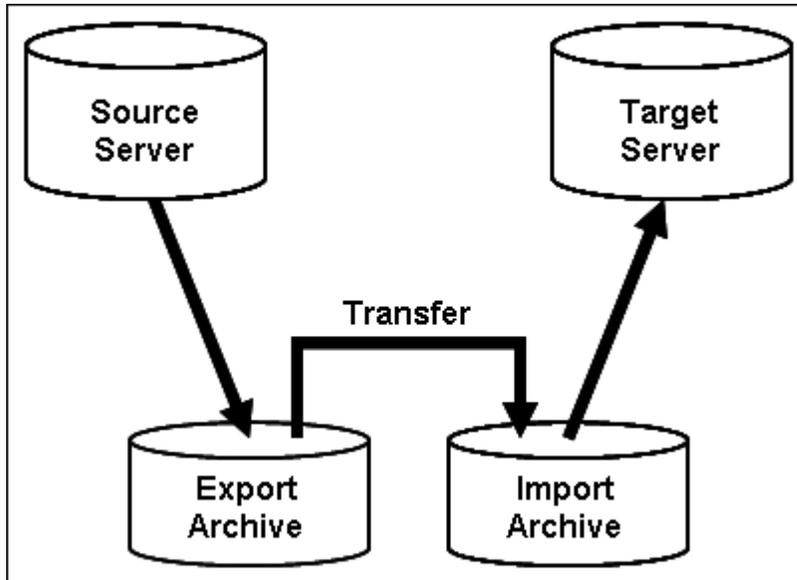
Most of the replication features are on the Manage Site Replication page on the content server, but you can also use the Oracle Site Studio Replicator tool to customize the replication even more. Oracle Site Studio Replicator is installed with Oracle Site Studio Designer, and is a four-part wizard. For more information on the Replicator installed alongside Designer, see *Using Oracle Site Studio Designer*.

When you replicate a site, you copy the site hierarchy, page templates, fragments, contributor data files, native documents, site assets, and more. The replication feature in Oracle Site Studio uses the existing replication framework in the content server (Archiver/Replicator).

6.2 Replication Process

The replication process in Oracle Site Studio includes a source server, a target server, an export archive, an import archive, and the transfer.

Figure 6–1 Replication Process



- **Export:** Native files, web-viewable files, content types, and user attributes are copied out of the source content server into an export archive.
- **Import:** Files and content server information are copied from an import archive to the target content server.
- **Transfer:** Content is transferred from one content server to another. This function can be used to copy content across a firewall or between two servers that do not have access to the same file system. You can also transfer archives between two content servers that have access to the same file system.
- **Replicate:** Automates the export, import, and transfer steps. You can use replication to automatically export from one content server, transfer the archive to another computer, and then import to another content server.

When you replicate your site from one content server to another, the Oracle Site Studio replication feature exports the contents of your site into an export archive. The contents of this export archive is subsequently copied into an import archive which resides on the target server. The import archive is then extracted to that server so that your site can be viewed and used again on the server.

You create the export archive on the source server and an import archive on the target server. You must create the import archive on the target server first, however, so that you can point the export archive to that location when you set one up.

The replication process consists of several steps:

1. ["Configuring the Target Server for Replication"](#) on page 6-3
2. ["Setting Up an Outgoing Provider on the Source Server"](#) on page 6-4
3. ["Setting Up the Import Archive on the Target Server"](#) on page 6-5
4. ["Setting Up the Export Archive on the Source Server"](#) on page 6-6
5. ["Starting the Site Replication"](#) on page 6-8

6.3 What Gets Replicated

When you use the Oracle Site Studio replication feature to replicate your site from one content server to another, the following items are included:

- **Project file** (the *dDocName* of the project file)
- **Web site ID** (where the *xWebsites* field contains the site ID of the site)
- **Web site sections** (where the *xWebsiteSection* field contains the site ID of the site)
- **Fragment libraries** (where the *xWebsiteObjectType* field contains the value "fragment")

It is important that the metadata values for *xWebsites*, *xWebsiteSection*, and *xWebsiteObjectType* be used correctly on your site in order for the contents of the site to be replicated.

6.4 Revisions Included

Revisions with a release date later than the most recent export date are exported. This prevents archives from exporting material that has been exported, which ensures the migration of content only once and prevents the unfettered growth in the size of the archives. Furthermore, all selected revisions of content that match the export query are exported to the archive. This works in tandem with the release date filter to ensure that the required Web site content is replicated.

6.5 Additional Export Settings

The Oracle Site Studio replication feature includes several other useful settings to ensure that your site is successfully replicated:

- Configuration information for the content is included for administrators who plan to synchronize metadata models between two content servers. (Oracle Site Studio does not use this information.)
- The source archive is identified as the transfer owner (the content server that initiates the transfer from the source archive to the target archive).
- The import archive on the target server is identified as the target archive, which takes responsibility for receiving material exported and transferred from a source server and then imports the material into the target server.

6.6 Configuring the Target Server for Replication

The Oracle Site Studio replication feature copies your site from one content server to another. If it does not, however, copy the content server environment from the source server to the target server.

Before you replicate the site, you must make sure the content server environment on the target server is set up the same way as the source server (at least the parts used by your site). If you skip this step, your Web site will experience problems during the replication process.

The steps to reproduce the content server environment vary from one organization to another and from one Web site to another. As such, we offer these general guidelines.

To manually configure the target server environment, perform these steps:

1. Recreate the metadata model used on the source server. This includes all custom metadata fields and file formats. This metadata is required for your site to operate properly. For example, checking in files generally relies on your metadata settings, and certain features on your site rely on custom metadata fields.
2. Reinstall all components used by your site on the source server. This includes Dynamic Converter (for native documents) and Check Out and Open (to check native documents out using the contribution icon).
3. Recreate unmanaged resources. This includes custom ActiveX controls or JSP objects that are used by your site.
4. Recreate any additional configuration settings that you have introduced to the server. This includes anything that has changed the behavior of the server.

If you use Oracle Content Server version 7.5.2 or later (including 10gR3), you may be able to use Oracle Content Server's Configuration Migration Utility to replicate the content server environment. The next step is to set up an outgoing provider (see ["Setting Up an Outgoing Provider on the Source Server"](#) on page 6-4).

6.7 Setting Up an Outgoing Provider on the Source Server

In Oracle Content Server, a provider is an API (Application Programming Interface) that establishes a connection between two or more content servers. To replicate a Web site, you must create an outgoing provider on the source server that establishes a connection between it and the target server.

After you configure the target server (see ["Configuring the Target Server for Replication"](#) on page 6-3), you are ready to set up an outgoing provider on the source server.

To set up an outgoing provider on the source server, perform these steps:

1. Log in to the content server as an administrator.
2. Click **Providers**.
The Providers page is displayed.
3. Under **Create a New Provider**, click **Add** beside the "outgoing" provider type.
The Add Outgoing Provider page is displayed
4. Enter the following information:
 - **Provider Name:** A name to identify the provider. The name appears in the providers list on this page (after you add one), and it becomes a subdirectory in the `[CS-Dir]/data/providers` on the source server.
 - **Provider Description:** A friendly description for the provider.
 - **Provider Class:** Enter `intradoc.provider.SocketOutgoingProvider` (the name of the Java class for outgoing providers).

- **Connection Class:** Enter `intradoc.provider.SocketOutgoingConnection` (the name of the Java class that implements provider connections).
 - **Configuration Class:** May be left empty (this identifies a Java class for additional configuration settings, useful for database providers).
 - **Server Host Name:** The name (typically, the system name or IP address) of the target server. A socket connection is made to this host.
 - **HTTP Server Address:** May be left empty (this is the http address of the target server, which is not necessary for this type of connection).
 - **Server Port:** The port (typically, 4444) used to communicate with the target server. You can determine the port by viewing the server output when starting the content server.
 - **Instance Name:** The name (IDC_Name) of the target content server.
 - **Relative Web Root:** The relative web root for the target content server (for example, `/root/`) You can skip the remaining options as they are not required for this type of connection.
5. Click **Add** to save the provider information and return to the Providers page. (You see your outgoing provider in the providers list.)
 6. Restart the content server.

To test the provider and make sure it was properly set up, return to the **Providers** page and click **Test** beside the outgoing provider.

In addition to setting up the outgoing provider, you may still must configure the server IP address filter on the target system so that the source server is allowed to communicate with the target server (for more information, see the Content Server documentation).

If there is a firewall in place, you must allow connections from the source server to the target server on the port defined in step 4.

The next step is to create an import archive (see ["Setting Up the Import Archive on the Target Server"](#) on page 6-5).

6.8 Setting Up the Import Archive on the Target Server

An import archive resides on the target content server. During replication, content from an export archive (residing on a source server) is copied into the import archive. The import archive then copies the content to the target content server, thus completing the replication process.

After you set up a provider connection (see ["Setting Up an Outgoing Provider on the Source Server"](#) on page 6-4), you are ready to create an import archive. You create (or edit) an import archive on the Manage Site Replication page on the target server.

To set up an import archive, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see ["Oracle Site Studio Administration"](#) on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Site Replication**.

The Manage Site Replication page is displayed (see "[Manage Site Replication Page](#)" on page A-13).

4. Click **Add Import Archive...**

The Add Import Archive page is displayed (see "[Add Import Archive Page](#)" on page A-18).

Or, if you are updating an existing import archive, select it in the list of archives and click **Change Settings...**

5. Enter a name for the archive in the **Archive Name** field. This name appears in the list of available archives on the Manage Site Replication page. The archive name should not contain any spaces or special characters.

6. Enter a description of the archive in the **Archive Description** field.

7. To retain content that contributors assign to each region on the target site, select the **Retain switched region content on target server during import** check box.

These are the areas where a contributor has switched the contributor data file or native document originally assigned to a region.

You would typically choose to retain switched region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor.

You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.

8. To retain content that contributors edit in each region on the target site, select the **Retain region content on target server during import** check box.

This prevents any contributor data files and native documents from being copied from the source server to the target server, which would potentially overwrite files edited by contributors.

You would typically choose to retain region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor.

You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.

9. Click **Add Archive**.

Or, if you are updating an existing import archive, click **Update**.

The next step is to create an export archive (see "[Setting Up the Export Archive on the Source Server](#)" on page 6-6).

6.9 Setting Up the Export Archive on the Source Server

An export archive resides on the source content server, where it collects information from the Web site. During replication, the export archive is copied to an import archive residing on the target server. (That import archive must be created first so that you can point to it when you create the export archive.)

After you create an import archive (see "[Setting Up the Import Archive on the Target Server](#)" on page 6-5), you are ready to create an export archive. You create (or edit) an export archive using the Manage Site Replication page on the source server.

To set up an export archive, perform these steps:

1. Log in to the content server as an administrator.

2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Manage Site Replication**.

The Manage Site Replication page is displayed (see "[Manage Site Replication Page](#)" on page A-13).

4. Click **Add Export Archive**.

The Add Export Archive page is displayed (see "[Add Export Archive Page](#)" on page A-15).

Or, if you are updating an existing export archive, select it in the list of archives and click **Change Settings**.

5. Enter a name for the archive in the **Archive Name** field. This name appears in the list of available archives on the Manage Site Replication page. The archive name should not contain any spaces or special characters.

6. Enter a description of the archive in the **Archive Description** field.

7. Choose the Web site to replicate in the **Web Site** menu.

8. Select the **Include project file in export archive** check box to replicate your entire site hierarchy.

If you do not want to replicate the entire site hierarchy and instead want to replicate individual sections, then clear this check box, continue with the steps below, and then use the Oracle Site Studio Replicator tool (see *Using Oracle Site Studio Designer*).

9. For **Transfer to Collection**, select the collection on the target content server where this archive is copied to.

Click **Open Collection...** to browse to the collection on the target server and select it.

10. For **Transfer to Archive**, select the archive on the target server where this export archive is copied to (see "[Setting Up the Import Archive on the Target Server](#)" on page 6-5).

11. Select the **Automatically export new and changed content** check box if you want the replication process to be automatic whenever content on the source server changes. (If you do not enable this option, you must manually trigger the replication.)

12. Click **Add Archive**.

Or, if you are updating an existing export archive, click **Update**.

When you select a Web site for the export archive, Oracle Site Studio archives and replicates everything related to your site (see "[What Gets Replicated](#)" on page 6-3). To customize what gets archived or to add more items to the archive, you can refine the archive query directly using the Archiver applet on the content server.

The next step is to start the replication (see "[Starting the Site Replication](#)" on page 6-8).

If you plan to use Oracle Site Studio Replicator to replicate individual sections of your site, then the next step is launch the Oracle Site Studio Replicator tool (see *Using Oracle Site Studio Designer*).

6.10 Starting the Site Replication

Once you have set up an export archive (see "[Setting Up the Export Archive on the Source Server](#)" on page 6-6), you are ready to initiate the replication process on the source server using the Manage Site Replication page.

To replicate your Web site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7).

3. Click **Manage Site Replication**.

The Manage Site Replication page is displayed (see "[Manage Site Replication Page](#)" on page A-13).

4. Select the desired export archive.
5. Click **Export**.

If you chose to automatically export new and changed content (see "[Setting Up the Export Archive on the Source Server](#)" on page 6-6), then the replication process is automatic after you export the archive.

Depending on the size and complexity of your site, you should allow plenty of time for the target content server to re-index your site after the replication is complete.

6.11 Setting Up "Ready to Replicate"

Oracle Site Studio allows the contributor to change the contributor data file, or even replace it with a new file. However, the manager can step in to make sure the new contributor file is ready for replication before the page is replicated.

When Ready to Replicate is a field in the section properties for each section and home page of a Web site. The designer enables the section property in Designer. For more information on enabling Ready to Replicate in Designer, see *Using Oracle Site Studio Designer*.

Once Ready to Replicate is enabled, it allows the manager to determine which sections, or even the primary or secondary pages in a section, can be replicated, and which will not. More importantly, whenever the content file for a placeholder is switched, the status of the section will change from **Replicate** (Figure 6-2) to **Don't Replicate** (Figure 6-3).

Figure 6-2 Page Marked For Replication



Figure 6-3 Pages Marked For No Replication



Since contributors can switch the contributor data files, or even create a new, blank file in each case, the manager has control over the replication to ensure that some pages don't end up with blank information from the creation of a new file. Whenever someone changes the contributor data file, the page is marked as **Don't Replicate**, regardless of the security level of the person who made the change.

The designer can also mark a section for replication, or to prevent replication, by setting the appropriate Ready to Replicate section properties field value in Designer. However, it is expected that the manager will handle all tasks related to replication, and thus would handle the review of pages marked as **Don't Replicate**.

Backing Up and Restoring Web Sites

You can use Oracle Site Studio to create a backup of your site (as a single zip file) which you can restore at any time. Creating a backup of your site is also a great way to transport the site from one location to another (especially where there is no network access).

Concepts

- ["About Backup and Restore"](#) on page 7-1

Tasks

- ["Backing Up Your Site"](#) on page 7-2
- ["Restoring Your Site"](#) on page 7-3
- ["Viewing the Server Configuration Details"](#) on page 7-4

7.1 About Backup and Restore

Oracle Site Studio offers a backup and restore feature on the Oracle Site Studio Administration page on the content server that you can use to create a backup of your site (as a single zip file) and restore the backup at any time. Creating a backup of your site is also a great way to transport the site from one location to another (especially where there is no network access).

The Oracle Site Studio backup feature creates a copy of your Web site and stores it in a compressed file that you can then copy from one location to another. In order to recognize the files that belong to your site, it performs a query for the following items and adds them to the import archive:

- **Project file** (the *dDocName* of the project file)
- **Web site ID** (where the *xWebsites* field contains the site ID of the site)
- **Web site sections** (where the *xWebsiteSection* field contains the site ID of the site)
- **Fragment libraries** (where the *xWebsiteObjectType* field contains the value "fragment")

It is important that the metadata values for *xWebsites*, *xWebsiteSection*, and *xWebsiteObjectType* be used correctly on your site in order for the contents of the site to be backed up and restored.

The backup feature uses the same archiving process that is used in site replication (see [Chapter 6, "Managing Site Replication"](#) for more details).

7.2 Backing Up Your Site

You back up your site using the Backup and Restore page, which is accessible from the Oracle Site Studio Administration page on the Oracle Content Server.

To back up your site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

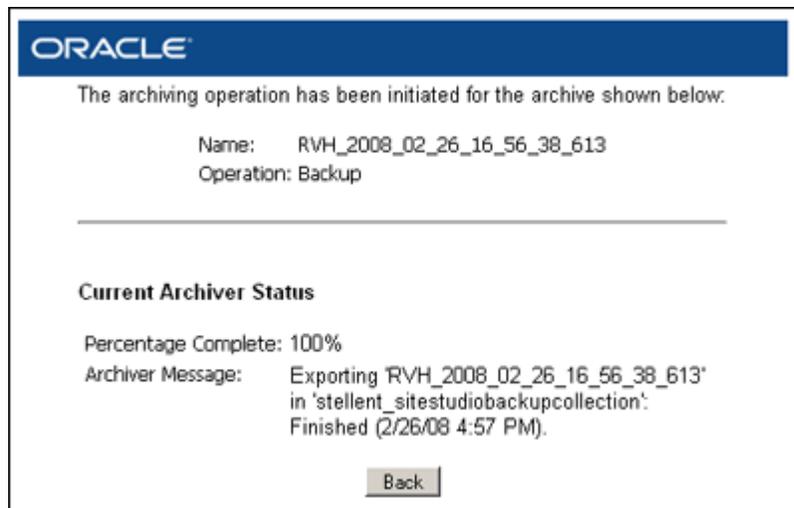
3. Click **Backup and Restore**.

The Backup and Restore page is displayed (see "[Backup and Restore Page](#)" on page A-22).

4. Select the Web site to back up, and click **Create Web Site Backup**.

The progress of the backup is shown ([Figure 7-1](#)).

Figure 7-1 Backup Progress



5. Click **Back** when the backup is done (that is, the completion percentage is 100%).

You can go back to the previous page at any time without affecting the current backup.

6. On the Backup and Restore page, click **Manage Web Site Backups**.

The Web Site Backup Archives page is displayed (see "[Manage Archives Page](#)" on page A-23).

7. This page shows a list of all Web site backups that are currently on the content server. To download the backup that you created, click the actions menu icon ([Figure 7-2](#)) next to it, and choose **Download backup archive as ZIP**.

Figure 7-2 Actions Menu Icon



Depending on the size of your site, you may have to wait several minutes for the zip file to be created.

8. Click **Save** in the file download dialog, choose a location for the zip file, and click **Save** to begin the download.

Note: If your Web site exceeds the maximum file limit of 65,535 in a zip file, then the backup archive file is not created. Instead, you must open the backup archive directly from the file system and download it from there. Backup archives are stored in the `[CS-Dir]\data\sitestudio\backuparchives` directory on the content server.

You can delete a backed-up site at any time by clicking the actions menu or icon and then choosing **Delete backup archive**. You can do this on the Web Site Backup Archives page (see "[Manage Archives Page](#)" on page A-23) and the Backup Archive Information page (see "[Backup Archive Information Page](#)" on page A-24).

7.3 Restoring Your Site

You restore your site using the Backup and Restore page, which is accessible from the Oracle Site Studio Administration page on the content server.

Important: To prevent clashes with existing content in the content server, it is recommended that you restore to a clean content server.

To restore your site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Backup and Restore**.

The Backup and Restore page (see "[Backup and Restore Page](#)" on page A-22) is displayed.

4. Click **Browse** (in the Upload Backup Archive area) to locate the backed-up site (zip file).

A file selection dialog is displayed.

5. Select the archive zip file and close the file selection dialog.
6. Click **Upload Backup Archive**.

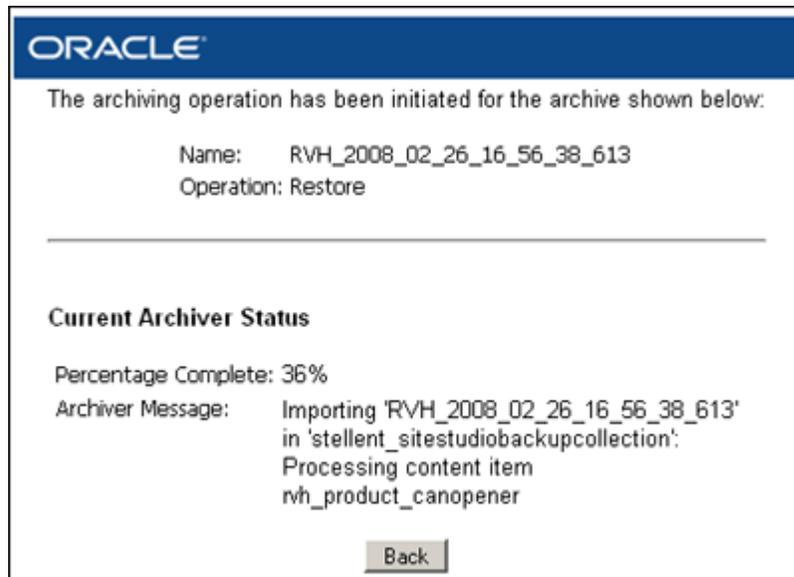
The Backup Archive Information page is displayed (see "[Backup Archive Information Page](#)" on page A-24), where you see the details of the backup, including the archive name, description, Web site, and date of import.

If you have not configured the content server so that it matches the content server environment where the site originated, click **Actions** and choose **Show server configuration details**. Then re-create the settings that you see on that page (see "[Viewing the Server Configuration Details](#)" on page 7-4).

7. In the **Actions** menu, choose **Restore backup archive contents**.
8. Click **OK** to the confirmation message.

The progress of the restore operation is shown (Figure 7-3).

Figure 7-3 Restore Progress



Depending on the size of your site, you may have to wait several minutes for the Web site to be restored and then indexed by the content server.

9. Click **Back** when the restore operation is done (that is, the completion percentage is 100%).

You can go back to the previous page at any time without affecting the current restore operation.

You can now use your site on the content server.

You can delete a backed-up site at any time by clicking the actions menu or icon and then choosing **Delete backup archive**. You can do this on the Web Site Backup Archives page (see "[Manage Archives Page](#)" on page A-23) and the Backup Archive Information page (see "[Backup Archive Information Page](#)" on page A-24).

7.4 Viewing the Server Configuration Details

You can view detailed configuration information for the content server that a backed-up Web site was located on at the time of the backup. This information includes the custom metadata fields, content types, security groups, configuration and environment settings, installed components, defined providers, and so on. This information is especially useful when you must restore a site and want to configure the content server so that it matches the server where the site originated.

To view the server configuration details of a backed-up site, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus

layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **Backup and Restore**.

The Backup and Restore page (see "[Backup and Restore Page](#)" on page A-22) is displayed.

4. Click **Manage Web Site Backups**.

5. Click the actions menu icon ([Figure 7-4](#)) next to the desired site, and choose **Show server configuration details**.

Figure 7-4 Actions Menu Icon



6. The Server Configuration Details page is displayed (see "[Server Configuration Details Page](#)" on page A-26), where you can note the details of the server where the site originated.

Note: You may want to use Oracle Content Server's Configuration Migration Utility to replicate the content server environment from one server to another.

General Component Information

Oracle Site Studio stores information about the installed Oracle Site Studio component, Oracle Site Studio-specific metadata, directory paths, versions, and other information. This information may be useful for noting the version numbers and relative paths for Web sites and fragments.

Concepts

- ["About General Component Information"](#) on page 8-1

Tasks

- ["Viewing General Component Information"](#) on page 8-1
- ["Resetting the Install Number"](#) on page 8-1

8.1 About General Component Information

You can find information about the installed Oracle Site Studio component, Oracle Site Studio-specific metadata, directory paths, versions, and other information on the General Component Information page. This information may be useful for noting the version numbers and relative paths for Web sites and fragments.

8.2 Viewing General Component Information

To view the general component information for Oracle Site Studio, perform these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.

The Oracle Site Studio Administration page is displayed (see ["Oracle Site Studio Administration"](#) on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.

3. Click **General Component Information**.

The General Component Information page is displayed (see ["General Component Information Page"](#) on page A-21).

8.3 Resetting the Install Number

The Install Number is the number of the current Oracle Site Studio component. It is used to track what software updates will install when you update your Oracle Site

Studio component. New components will only install the necessary changes compared to the current install number.

In most cases, the install number will not be important. But in those few cases where you may wish to eliminate all changes, and create a fresh installation, resetting the install number might be necessary.

To reset the install number, follow these steps:

1. Log in to the content server as an administrator.
2. In the Administration section, select **Oracle Site Studio Administration**.
The Oracle Site Studio Administration page is displayed (see "[Oracle Site Studio Administration](#)" on page 1-7). If you run Oracle Content Server in the Top Menus layout, you do not see this page. Instead, all administration options are then items in the Oracle Site Studio Administration menu.
3. Click **General Component Information**.
The General Component Information page is displayed (see "[General Component Information Page](#)" on page A-21).
4. Click **(Reset)**.
The install number is set to 0.

User Interface

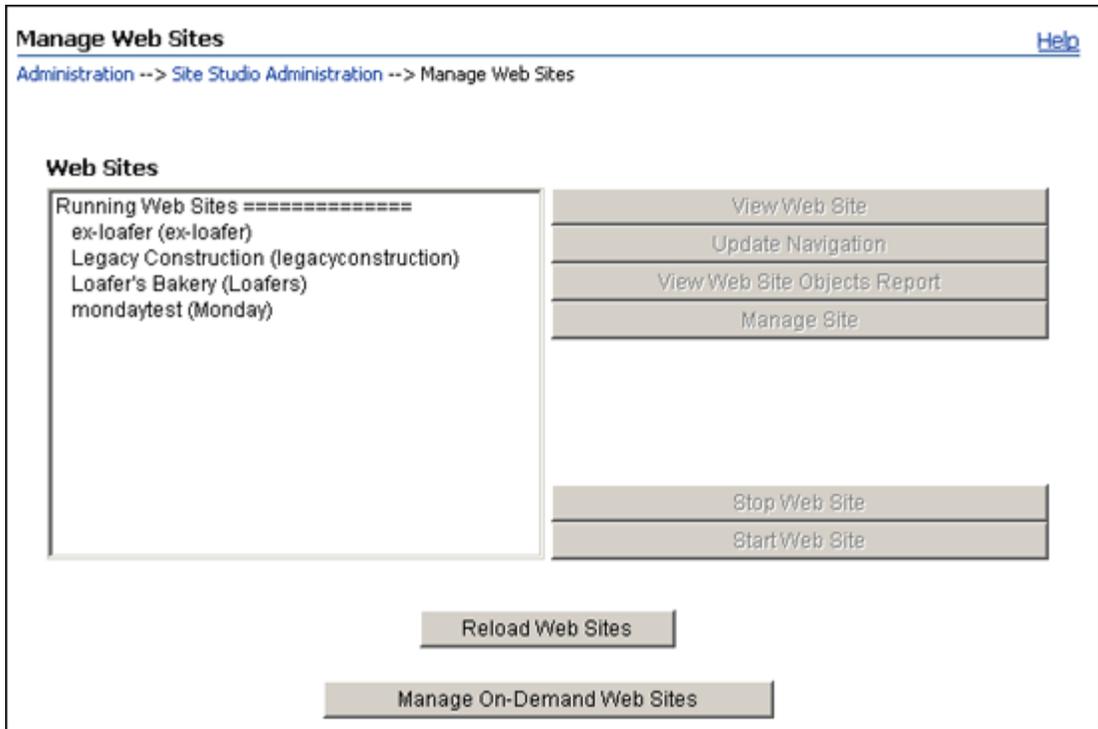
The Content Server interface includes various pages that you can use to administer and manage your Oracle Site Studio Web sites:

- ["Manage Web Sites Page"](#) on page A-1
- ["Manage Site Page \(Oracle Site Studio Manager\)"](#) on page A-3
- ["Manage On-Demand Web Sites Page"](#) on page A-8
- ["Web Site Objects Report Page"](#) on page A-9
- ["Web Site Addresses Page"](#) on page A-9
- ["Manage Fragment Libraries Page"](#) on page A-10
- ["Set Default Project Document Information Page"](#) on page A-11
- ["Manage Site Replication Page"](#) on page A-13
- ["Add Export Archive Page"](#) on page A-15
- ["Edit Export Archive Page"](#) on page A-16
- ["Add Import Archive Page"](#) on page A-18
- ["Edit Import Archive Page"](#) on page A-19
- ["General Component Information Page"](#) on page A-21
- ["Backup and Restore Page"](#) on page A-22
- ["Manage Archives Page"](#) on page A-23
- ["Server Configuration Details Page"](#) on page A-26
- ["Backup Archive Information Page"](#) on page A-24
- ["Server Configuration Details Page"](#) on page A-26
- ["External Applications Administration page"](#) on page A-27

A.1 Manage Web Sites Page

The Manage Web Sites page is used to manage all available Web sites on the content server. From here you can view the Web site, view the objects report, start or stop the Web site (make it available or unavailable to view), and control the management of each selected Web site as described in this document.

Figure A-1 Manage Web Sites Page



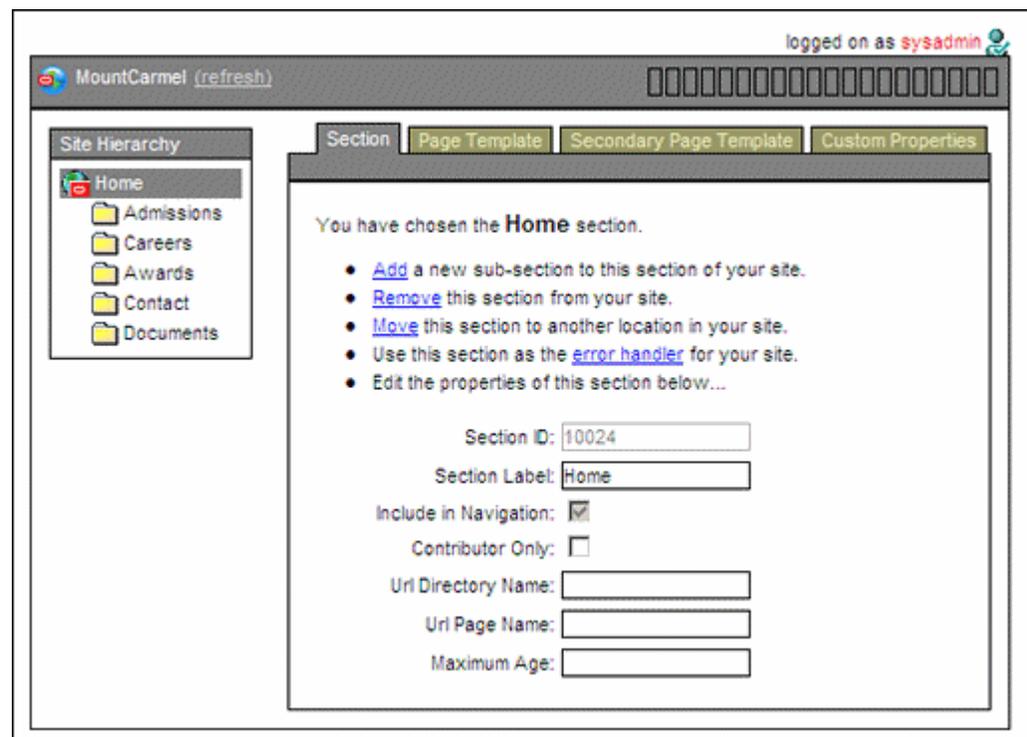
Element	Description
Web Sites	This area lists all Web sites that are managed by the content server. All sites that are currently up and available are listed under "Running Web Sites," and all sites that are not running are under "Stopped Web Sites."
View Web Site	Click this button to view the selected Web site in your web browser.
Update Navigation	Click this button to update the navigation of the selected Web site. As a site manager, you can modify the structure of a Web site, including adding and removing directories and subdirectories, or moving directories into other areas of the Web site. If you alter the site structure, then all site navigation should be updated (rebuilt).
View Web Site Objects Report	Click this button to view the Web Site Objects Reports page for the selected site (see "Web Site Objects Report Page" on page A-9). This page details the activity of use of each part of a Web site.
Manage Site	Click this button to see the Manage Site page for the selected site (see "Manage Site Page (Oracle Site Studio Manager)" on page A-3). This page enables you to perform several site management tasks, such as modifying the site hierarchy, assigning page templates, and changing custom properties.
Stop Site	Click this button to stop the selected site. The site then moves from the "Running Web Sites" list to the "Stopped Web Sites" list in the Web Sites area.
Start Site	Click this button to start the selected site. The site then moves from the "Stopped Web Sites" list to the "Running Web Sites" list in the Web Sites area.

Element	Description
Reload Web Sites	Click this button to reload the page. When sites are started and stopped, occasionally the list of the running and the stopped Web sites must be refreshed to reflect the current status.
Manage On-Demand Web Sites	Click this button to open the On-Demand Web Sites page (see " Manage On-Demand Web Sites Page " on page A-8).

A.2 Manage Site Page (Oracle Site Studio Manager)

The Manage Site page is used to perform several management tasks for a Web site. This page may be accessible through the content server or Oracle Site Studio Contributor (if the designer set it up that way). If the Manager fragment appears on a page in Contributor and the page is in contribution mode, the tools available to the site manager appear within the application. They then appear either minimized (that is, just the top bar) or with the interface fully displayed within the page. To show the full Manager interface, click **manage site** in the bar. When accessed through the content server, the full interface is always shown.

Figure A-2 Manager Interface



The site hierarchy of the current Web site is shown on the left. You can right-click any item and perform several management tasks.

This page may have four tabs, each of which provides specific site management options:

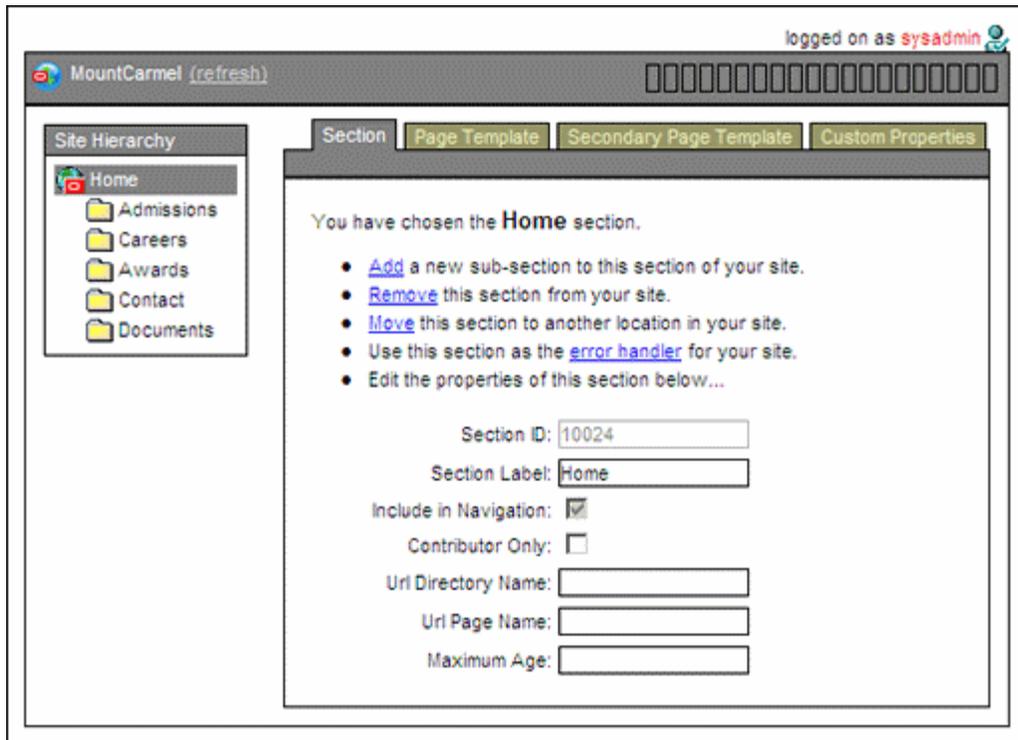
- [Section Tab](#)
- [Page Template Tab](#)
- [Secondary Page Template Tab](#)

- [Custom Properties Tab](#)

A.2.1 Section Tab

The Section tab on the Manage Site page is used to manage the sections within the hierarchy of the Web site, which includes adding and removing sub-sections, moving sections, and mark the error handler section of the Web site.

Figure A-3 Section Tab of Manage Site Page



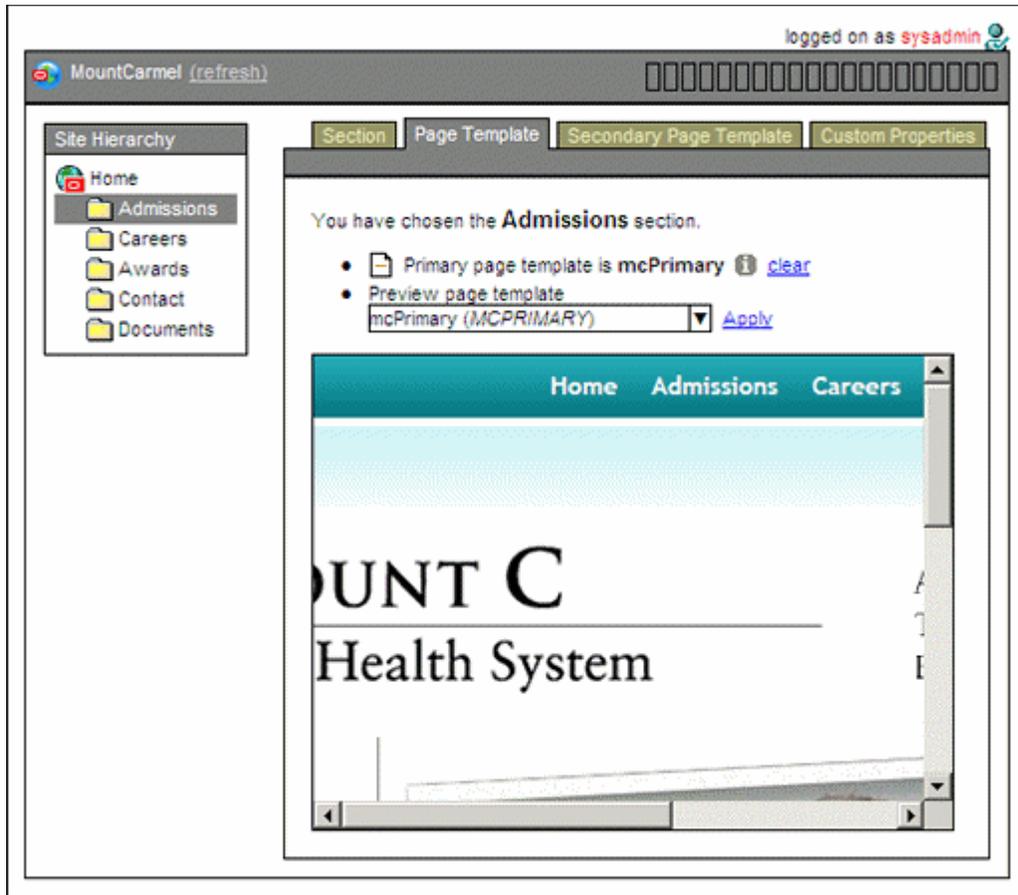
Element	Description
Add	Click to add a sub-section to the current section. See " Adding a Section " on page 2-4 for more information.
Remove	Click to remove the current section from the Web site. See " Removing a Section " on page 2-5 for more information.
Move	Click to move the current section to a different area of the site hierarchy. See " Moving a Section " on page 2-5 for more information.
error handler	Click to mark the current section as the error handler section. See " Designating a Section as an Error Handler " on page 2-8 for more information.
Section ID	This is the section ID that uniquely identifies the current section in the site hierarchy (and the content server). This field is typically disabled because changing it can break links that target this section.
Section Label	This is the name of the current section. The name is displayed in the site hierarchy and in the navigation menus on the Web site (but not necessarily in the URL). You can change the section label if you want. See " Renaming a Section " on page 2-7 for more information.

Element	Description
Include in Navigation	Select this check box if you want the current section to be displayed as a link in the navigation menus on the Web site. See "Showing or Hiding a Section on the Web Site" on page 2-7 for more information.
Contributor Only	Select this check box if you want the current section to appear only when the site is viewed in contribution mode. This may be useful, for example, to communicate directly with contributors or to preview content before making it publicly available. See "Designating a Section as Contributor-Only" on page 2-8 for more information.
Url Directory Name	This is the directory name of the current section as it appears in the site URLs. For example, in the address <code>http://www.mysite.com/product1/index.htm</code> , the URL directory name is "product1." This value is also used in all path-based links to this section. By default, the URL directory name is identical to the section label, but you can use a different value if you want. The name should not contain any spaces or special characters.
Url Page Name	This is the URL that represents the primary page (associated with the current section) in the Web site address. If you do not specify a URL page name, then "index.htm" is used to represent the primary page.
Maximum Age	This is the maximum amount of time (in seconds) that a Web site page in the current section remains in cache. This improves the performance and security of an Oracle Site Studio Web site. See "Changing the Maximum Age of a Section" on page 2-9 for more information.

A.2.2 Page Template Tab

The Page Template tab on the Manage Site page is used to view the web page using the current page template. Additional page templates can be applied and previewed against the current section as well.

Figure A-4 Page Template Tab of Manage Site Page

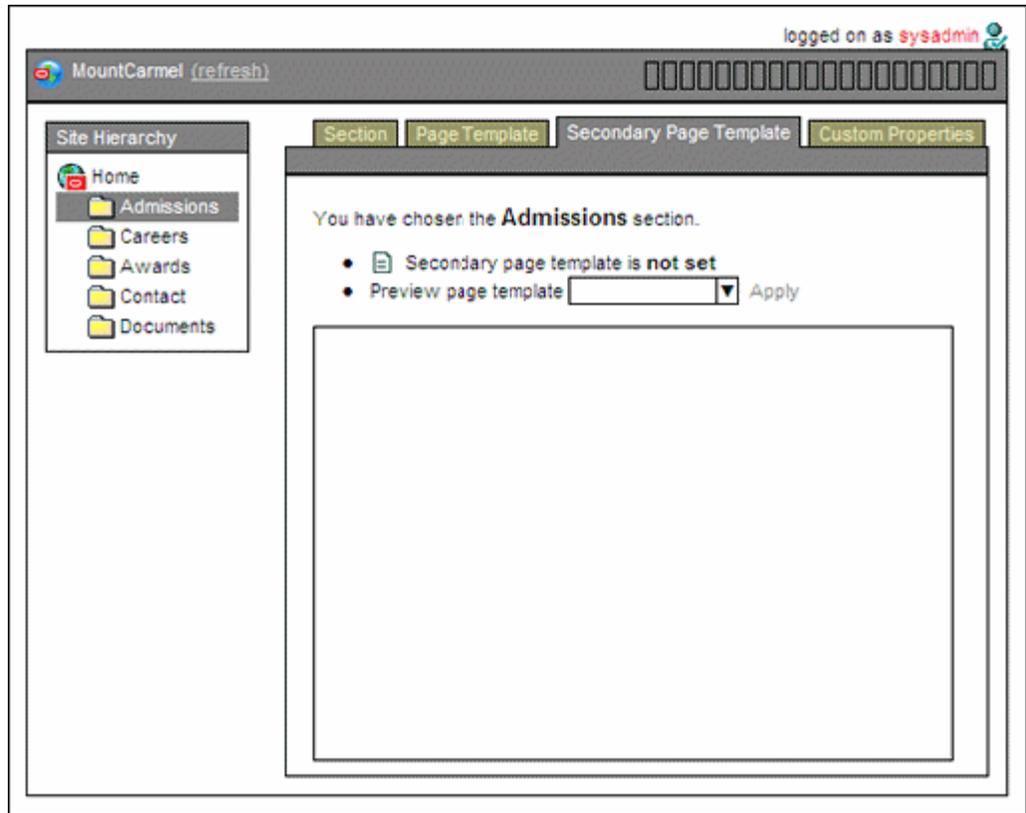


Element	Description
	Click the icon to open the content information page for the current page template. This does not appear if the page template has not been set.
clear	Click to remove the page template from the current section. This does not appear if the page template has not been set. See "Removing a Page Template From a Section" on page 2-12 for more information.
Preview page template (menu)	Select a page template from the list to view within the current section. See "Previewing Page Templates" on page 2-10 for more information.
Apply	Click to apply the selected page template to the current section. See "Assigning a Primary Page to a Section" on page 2-10 for more information.

A.2.3 Secondary Page Template Tab

The Secondary Page Template tab on the Manage Site page is used to view the web page using the current secondary page template. Additional page templates can be applied and previewed against the current section as well.

Figure A-5 Secondary Page Template Tab of Manage Site Page (With No Page Selected)

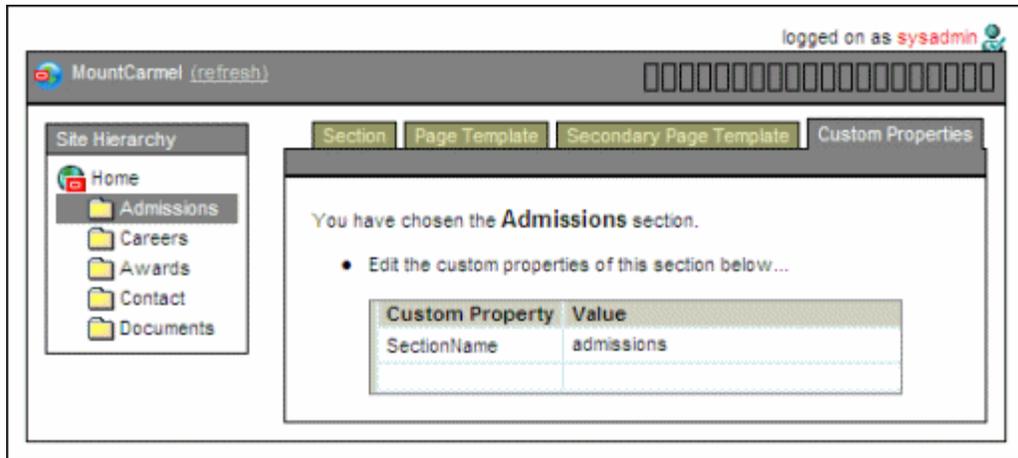


Element	Description
	Click the icon to open the content information page for the current page template. This does not appear if the secondary page template has not been set.
clear	Click to remove the page template from the current section. This does not appear if the secondary page template has not been set. See "Removing a Page Template From a Section" on page 2-12 for more information.
Preview page template (menu)	Select a page template from the list to view within the current section. See "Previewing Page Templates" on page 2-10 for more information.
Apply	Click to apply the selected page template to the current section. See "Assigning a Secondary Page to a Section" on page 2-11 for more information.

A.2.4 Custom Properties Tab

The Custom Properties tab on the Manage Site page is used to edit the custom property information for the selected section in the site hierarchy. All custom properties are determined by the site designer. Section properties cannot be added or removed by a manager; only their values can be edited.

Figure A-6 Custom Properties Tab of Manage Site Page

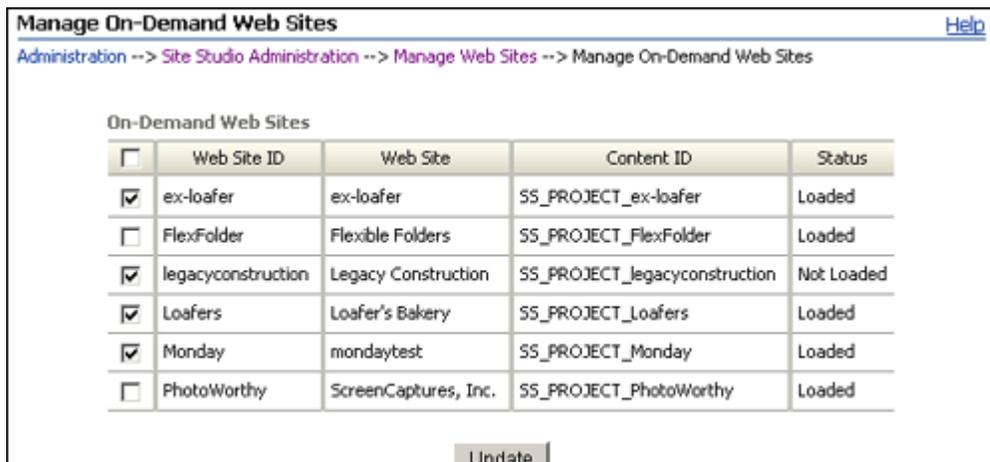


Note: Contact your site designer regarding the proper use of the custom properties.

A.3 Manage On-Demand Web Sites Page

The Manage On-Demand Web Sites page is used to mark sites as "on-demand" sites. The Web sites designated as "on-demand" 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. There will be a slight delay to serve the sites listed as "on-demand" when you access them in Designer for the first time.

Figure A-7 Manage On-Demand Web Sites page



Element	Description
Check box	Select the check box to mark the site as an on-demand Web site.
Web Site ID	The site ID of the Web site on the content server.
Web Site	The name of the Web site on the content server.
Content ID	The content ID of the Web site on the content server.

Element	Description
Status	Displays which sites are loaded or not loaded into server memory.

A.4 Web Site Objects Report Page

The Web Site Objects Report page shows site usage reports for all Web site objects marked for reporting. You can see information about several object categories, including page templates, contributor data files, page template fragments, fragment libraries, Web site assets, and the Web site project.

Figure A-8 Web Site Objects Report Page

Web Site Objects Report for 'MountCarmel'

The following reports list the objects used by the web site 'MountCarmel'.

Page Templates	Lists page templates referenced by sections of the web site
Contributor Data Files	Lists data files referenced by sections of the web site
Page Template Fragments	Lists fragments used by the page templates of the web site
Fragment Libraries	Lists fragment libraries used by the page templates of the web site
Web Site Assets	Lists documents declared to belong to the web site
Web Site Project	Lists the project associated with the web site

Page Templates

Content ID	Usage Detail	Info
mc_home	/	
mcPrimary	/Admissions.xcxc /Careers /Awards /Awards/x /Documents /Documents/Test	

Element	Description
Object categories	Click any of the object categories to see the report specific to that category.
Content ID	The content ID of the object in the content server.
Usage Detail	The specific information on the Web site object and where it was referenced.
	Click this icon to see the content information page for the object.

A.5 Web Site Addresses Page

The Web Site Addresses page is used to manage the site addresses for all available Web sites on the content server. You can view the defined site addresses, and add addresses or remove existing ones.

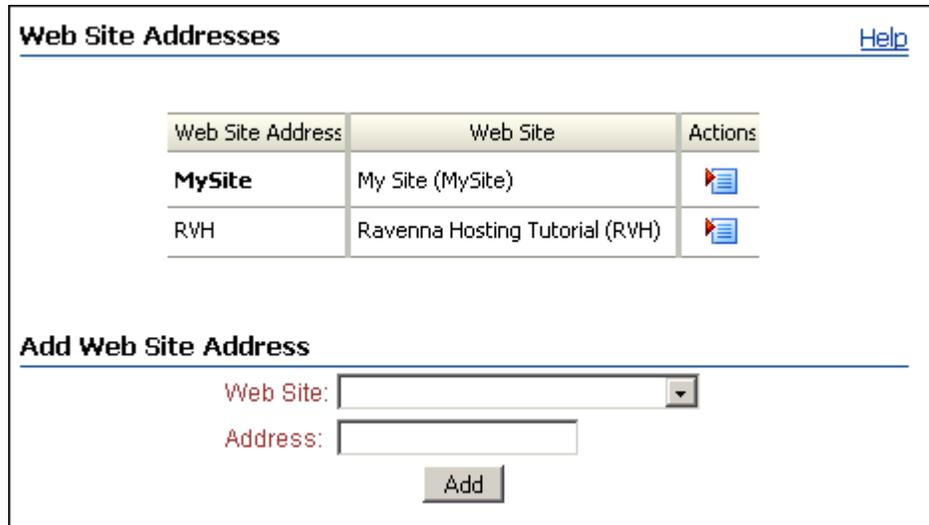
There are two ways to access your site: using a folder address or a domain address. When you first set up your site, you can use the folder address, like

http://MyComputer/MySite (where *MyComputer* is the name of the system and *MySite* is the site ID). Sooner or later, however, you will likely want to use a domain address, like http://www.mycompany.com (where *mycompany.com* is your domain name) as a more convenient and public way to access your site.

A domain address requires additional DNS configuration that you or a site administrator must perform.

You can also use the Site Address dialog box in Designer to configure domain addresses.

Figure A–9 Manage Web Site Addresses Page



Element	Description
Web Site Addresses	<p>Displays existing site addresses that are configured for the specified site.</p> <p>Click the menu icon in the Action column for more options:</p> <ul style="list-style-type: none"> ■ Select As Default Address: Makes this address the default site address. ■ Remove Site Address: Removes this address from the Web site.
Add Web Site Address	<p>Web Site: Use this menu to select a Web site on the content server.</p> <p>Address: Enter the domain name to use. (You can add multiple domain names for your site.)</p>
Add	Adds the domain name to your site.

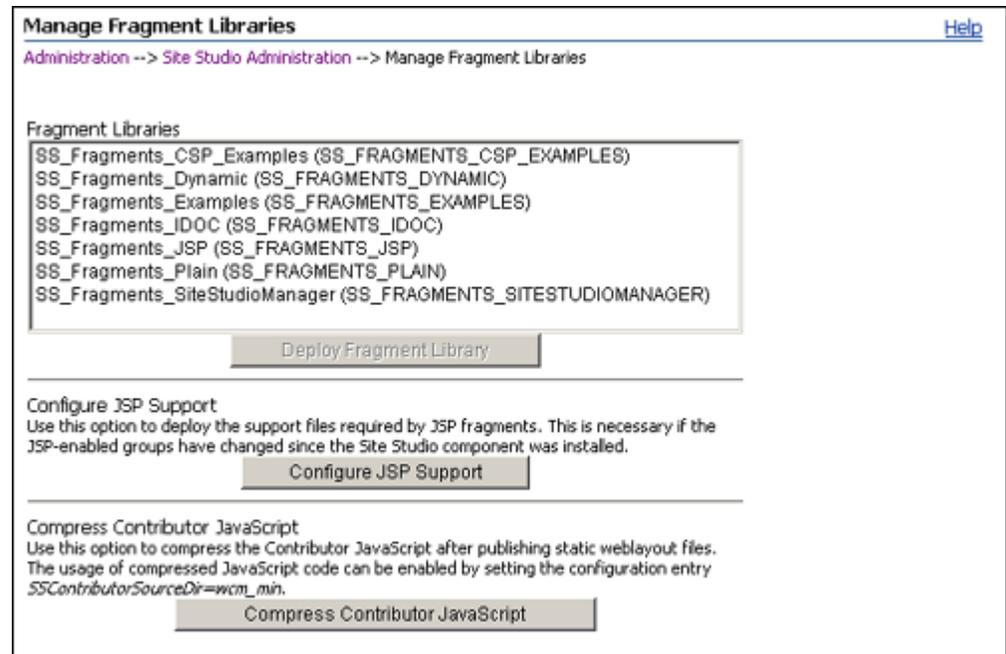
A.6 Manage Fragment Libraries Page

The Manage Fragment Libraries page is used to deploy fragment libraries to their required location on the content server. The libraries must be in the `[CS-Dir]\weblayout\fragments` directory to be available to your Web site. They are deployed to this location by default when you install Oracle Site Studio. However, if you manually check a fragment library into the Oracle Content Server, you must deploy it to this location.

The Manage Fragment Libraries page is also used to configure JSP support for JSP-enabled Web sites. If, after installing the Oracle Site Studio component, you add a

group to the list of JSP-enabled groups in the Oracle Content Server, you must redeploy (extract) the JSP support files that enable Oracle Site Studio JSP fragments to work properly.

Figure A-10 Manage Fragment Libraries Page



Element	Description
Fragment Libraries	Displays all fragment libraries currently checked into the content server.
Deploy Fragment Library	Click to copy the selected fragment library to its required location on the content server (<i>[CS-Dir]\weblayout\fragments</i>), where it is available to Oracle Site Studio. You must select a fragment library in the list before this button becomes available. As an alternative to this deployment method, you can use the Upload Fragment Library/Download Fragment Library element in Designer.
Configure JSP Support	Click to redeploy (extract) JSP support files to the necessary location on the content server so that JSP fragments work properly.
Compress Contributor JavaScript	Click to compress the Contributor JavaScript in the published Web site. This often improves performance of the pages in a Web site.

A.7 Set Default Project Document Information Page

The Set Default Project Document Information page is used to define the default metadata (that is, content information) for Oracle Site Studio project files.

When you create a Web site in Designer, Oracle Site Studio generates an XML-based project file and checks it into the content server with certain metadata values. The default document information specifies which fields are automatically filled.

Figure A-11 Set Default Project Document Information Page

Element	Description
Metadata fields	<p>Display all of the available metadata values in the content server that can be assigned to an Oracle Site Studio project file.</p> <p>Enter the information for the default values in the applicable fields. All required metadata fields have red-colored field labels. If a field does not need or should not have default information, you can leave it blank.</p>
Update	Click to update the metadata that is assigned to an Oracle Site Studio project file automatically.
Reset	Resets the page to its initial state when it was launched.

A.8 Set Default Web Asset Document Information Page

The Set Default Web Asset Document Information page is used to define the default metadata (that is, content information) for Oracle Site Studio Web site assets, such as templates, images, or definitions.

This allows Oracle Site Studio to use default metadata when checking in web assets.

Figure A-12 Set Default Web Asset Document Information Page

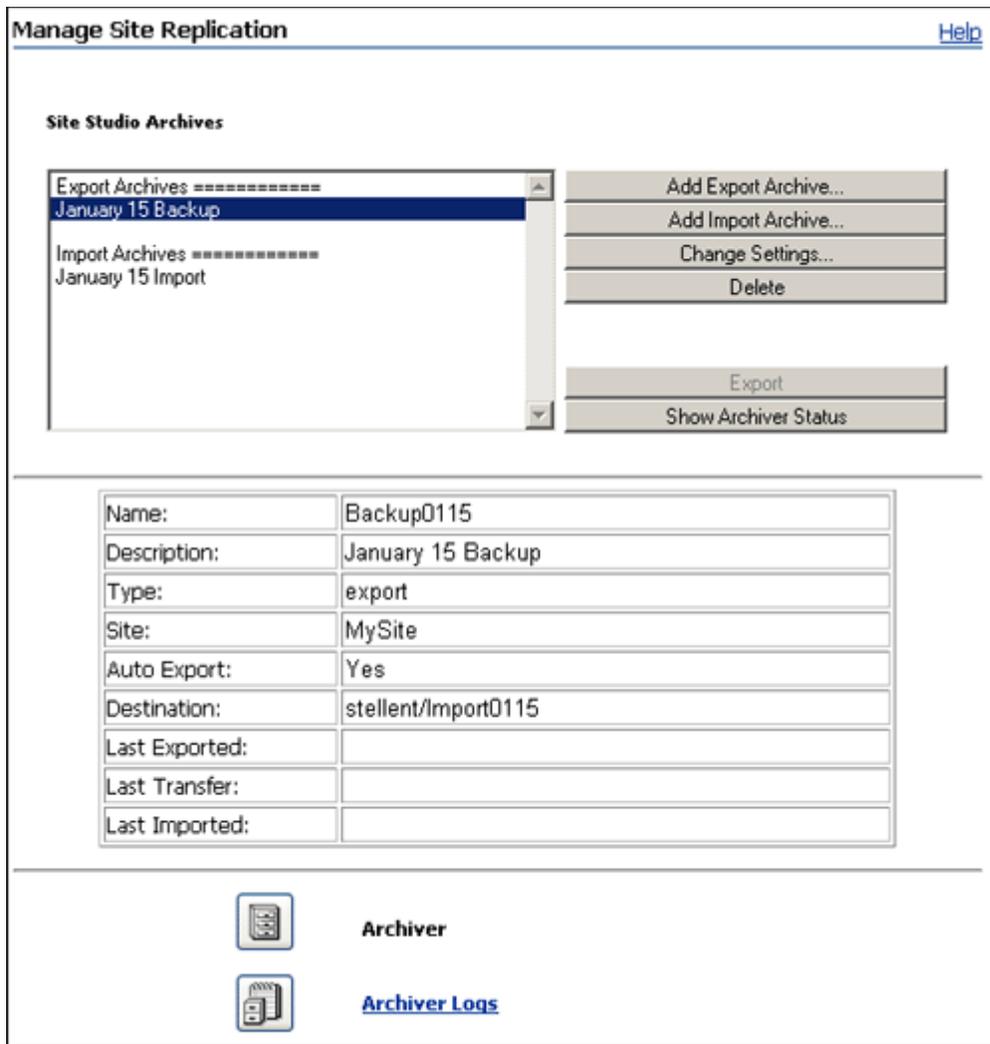
Element	Description
Metadata fields	<p>Display all of the available metadata values in the content server that can be assigned to an Oracle Site Studio Web site asset.</p> <p>Enter the information for the default values in the applicable fields. All required metadata fields have red-colored field labels. If a field does not need or should not have default information, you can leave it blank.</p>
Update	Click to update the metadata that is assigned to an Oracle Site Studio Web site asset automatically.
Reset	Resets the page to its initial state when it was launched.

A.9 Manage Site Replication Page

The Manage Site Replication page is used to manage the replication of Web sites from one content server to another. During this process, you must create an export archive on the source server and an import archive on a target server.

Before you perform these steps, you must configure the content servers so that they communicate with one another.

Figure A-13 Manage Site Replication Page



Element	Description
Oracle Site Studio Archives	Displays all export and import archives currently checked into the content server.
Add Export Archive	Click to open the Add Export Archive page (see "Add Export Archive Page" on page A-15), where you can create an export archive (on the source server).
Add Import Archive	Click to open the Add Import Archive page (see "Add Import Archive Page" on page A-18), where you can create an import archive (on the target server).
Change Settings	Click to open the Edit Export Archive page (see "Edit Export Archive Page" on page A-16) or Edit Import Archive page (see "Edit Import Archive Page" on page A-19), where you can edit the properties of an existing archive.
Delete	Click to delete the selected archive.

Element	Description
Export	Click to export the selected archive to the target server and initiate the replication process. Once you export the archive, the replication process is automated. You do not have to import the archive on the target content server, manually transfer the archive, and so on.
Show Archiver Status	Click to display the progress of an existing archive (that replicates to a target server).
Archiver	Click the icon to launch the Archiver utility on the content server. See the Content Server documentation for more information on Archiver and the archiving process.
Archiver Logs	Click the icon or the link to display the list of archive logs available to review. See the Content Server documentation for more information on the Archiver logs and log files in general.

A.10 Add Export Archive Page

The Add Export Archive page is used to create an export archive file, which is used in the process of replicating a Web site from one content server to another. An export archive resides on the source server, where it collects information from the Web site. During replication, the export archive is copied to an import archive, which resides on the target server.

You must create an import archive on the target server before you create an export archive on the source server.

Figure A-14 Add Export Archive Page

Add Export Archive [Help](#)

Administration --> Site Studio Administration --> Manage Site Replication --> Add Export Archive

Archive Type:

Archive Name:

Archive Description:

Export Options

Web Site: Include project file in export archive

Transfer to Collection:

Transfer to Archive: Automatically export new and changed content

Element	Description
Archive Type	Specifies whether this is an export or import archive (this option is marked for you).
Archive Name	Name of the archive. The name appears in the list of available archives on the Manage Site Replication page (see " Manage Site Replication Page " on page A-13). The archive name should not contain any spaces or special characters.
Archive Description	Description of the archive.
Web Site	Identifies the Web site to create an export archive from and then replicate. Select the Web site from the menu. Include project file in export archive: Select this check box if you want the project file to be included in the archive, which means you replicate the entire site. If you only want to replicate certain sections, clear this check box.
Transfer to Collection	Identifies the collection for the import archive on the target server where this export archive is copied to. Open Collection: Click to open a browse dialog where you can select the collection on the target server.
Transfer to Archive	Identifies the import archive on the target server where this export archive is copied to. Automatically export new and changed content: Select this check box if you want content that has changed on the source server to be replicated to the target server automatically. If you do not enable this option, you must manually trigger the replication.
Add Archive	Adds the export archive and returns you to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).
Cancel	Cancels your settings and returns you to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).

A.11 Edit Export Archive Page

The Edit Export Archive page is used to edit the properties of an existing export archive file, which is used in the process of replicating a Web site from one content server to another. An export archive resides on the source server, where it collects information from the Web site. During replication, the export archive is copied to an import archive, which resides on the target server.

Figure A-15 Edit Export Archive Page

Element	Description
Archive Type	Specifies whether this is an export or import archive (this option is marked for you).
Archive Name	Name of the archive. The name appears in the list of available archives on the Manage Site Replication page (see " Manage Site Replication Page " on page A-13). The archive name should not contain any spaces or special characters.
Archive Description	Description of the archive.
Web Site	Identifies the Web site to create an export archive from and then replicate.
Transfer to Collection	Identifies the collection for the import archive on the target server where this export archive is copied to. Open Collection: Click to open a browse dialog where you can select the collection on the target server.
Transfer to Archive	Identifies the import archive on the target server where this export archive is copied to. Automatically export new and changed content: Select this check box if you want content that has changed on the source server to be replicated to the target server automatically. If you do not enable this option, you must manually trigger the replication.
Update	Click to update the export archive and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).

Element	Description
Cancel	Click to cancel your settings and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).

A.12 Add Import Archive Page

The Add Import Archive page is used to create an export archive file, which is used in the process of replicating a Web site from one content server to another. An import archive resides on the target server. During replication, content from the export archive is copied into the import archive. The import archive then copies the content to the target content server.

Figure A–16 Add Import Archive Page

Element	Description
Archive Type	Specifies whether this is an import or export archive (this option is marked for you).
Archive Name	Name of the archive. The name appears in the list of available archives on the Manage Site Replication page (see " Manage Site Replication Page " on page A-13). The archive name should not contain any spaces or special characters.
Archive Description	Description of the archive.

Element	Description
Retain switched region content on target server during import	<p>Select this check box you want to retain content that contributors assign to each region on the target Web site. These are the areas where a contributor has switched the contributor data file or native document originally assigned to a region.</p> <p>You would typically choose to retain switched region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor.</p> <p>You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.</p>
Retain region content on target server during import	<p>Select this check box if you want to retain the content that contributors edit in each region on the target Web site.</p> <p>This prevents any contributor data files and native documents from being copied from the source server to the target server, which would potentially overwrite files edited by contributors.</p> <p>You would typically choose to retain region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor.</p> <p>You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.</p>
Add Archive	Click to add the import archive and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).
Cancel	Click to cancel your settings and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).

A.13 Edit Import Archive Page

The Edit Import Archive page is used to edit the properties of an existing import archive file, which is used in the process of replicating a Web site from one content server to another. An import archive resides on the target server. During replication, content from the export archive is copied into the import archive. The import archive then copies the content to the target content server.

Figure A-17 Edit Import Archive Page

Element	Description
Archive Type	Specifies whether this is an import or export archive (this option is marked for you).
Archive Name	Name of the archive. The name appears in the list of available archives on the Manage Site Replication page (see " Manage Site Replication Page " on page A-13). The archive name should not contain any spaces or special characters.
Archive Description	Description of the archive.
Retain switched region content on target server during import	Select this check box you want to retain content that contributors assign to each region on the target Web site. These are the areas where a contributor has switched the contributor data file or native document originally assigned to a region. You would typically choose to retain switched region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor. You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.
Retain region content on target server during import	Select this check box if you want to retain the content that contributors edit in each region on the target Web site. This prevents any contributor data files and native documents from being copied from the source server to the target server, which would potentially overwrite files edited by contributors. You would typically choose to retain region content if you are replicating from a development server (source) to a contribution server (target), because in that scenario you want to preserve the changes made by a contributor. You would likely disable this option if you are replicating from a contribution server (source) to a consumption server (target), because in that scenario you want to overwrite anything that has changed on the consumption server.

Element	Description
Update	Click to update the import archive and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).
Cancel	Click to cancel your settings and return to the Manage Site Replication page (see " Manage Site Replication Page " on page A-13).

A.14 General Component Information Page

The General Component Information page is used to provide information about the installed Oracle Site Studio component, Oracle Site Studio-specific metadata, directory paths, versions, and so on.

Figure A-18 General Component Information Page



General Component Information		Help
Administration --> Site Studio Administration --> General Component Information		
Product Version:	7.7.0.1	
Component Build Version:	11.0.0.551	
Disable Contribution:	False	
Web Site Object Type Field:	xWebsiteObjectType	
Web Site ID Field:	xWebsiteID	
Web Sites Field:	xWebsites	
Web Site Section Field:	xWebsiteSection	
Do not Show In Lists For Web Sites Field:	xDontShowInListsForWebsites	
Region Definition Field:	xRegionDefinition	
Relative Web Sites Root:	/cs/websites/	
Relative Fragments Root:	/cs/fragments/	
Unique Section Counter Value:	1	
Install Number:	372	(Reset)
Contributor Directory:	wcm	
Contributor Console Enabled:	True	(Disable)

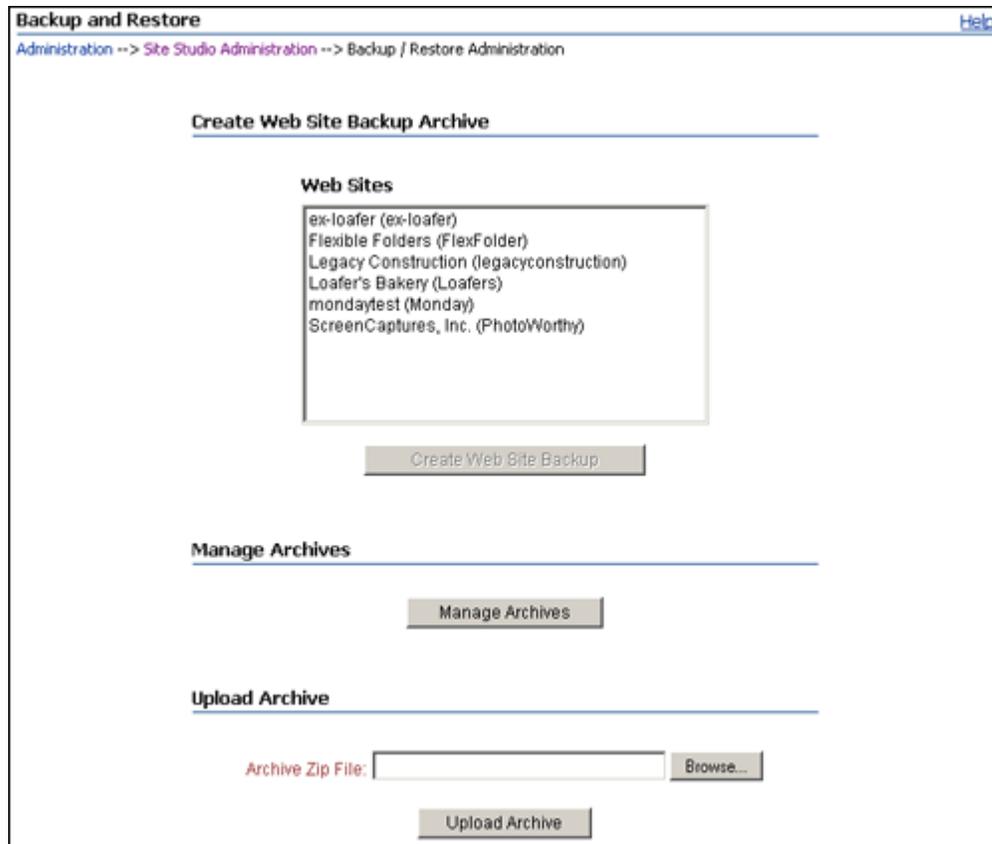
Element	Description
Product Version	Displays the version of the Oracle Site Studio component.
Component Build Version	Displays the specific build of the Oracle Site Studio component version.
Disable Contribution	Indicates whether contribution is disabled (TRUE or FALSE).
Web Site Object Type Field	Displays the metadata field used for the Web site object types.
Web Site ID Field	Displays the metadata field used for the Web site IDs.
Web Sites Field	Displays the metadata field used for the Web site names.
Web Site Section Field	Displays the metadata field used for the Web site section names.
Do not Show In Lists For Web Sites Field	Displays the metadata field used for withholding from the Web site lists.
Region Definition Field	Displays the metadata field used for the region definition names.
Relative Web Sites Root	Displays the path to the Web sites.
Relative Fragments Root	Displays the path to the fragments.

Element	Description
Unique Section Counter Value	Displays the ID that is used for newly created sections in the site hierarchy (unless the designer manually enters a section ID).
Install Number	Displays the current install number of the Oracle Site Studio component.
(Reset)	Click to reset the current install number to 0.
Contributor Directory	The location of the Contributor source, including where all minified data is located.
Contributor Console Enabled	Displays if the Contributor Console is enabled and available, or disabled and unavailable. For more information about the Contributor Console, see <i>Technical Reference for Oracle Site Studio</i> .
(Enable) (Disable)	Click to make the Contributor Console enabled or disabled. Only one option will appear depending on the current status of the console.

A.15 Backup and Restore Page

The Backup and Restore page is used to create backups of your site, download the backup file to a secure location or portable device, and restore from that backup. The backup feature uses the existing archiving and replicating framework built into Oracle Site Studio and Content Server.

Figure A-19 Backup and Restore Page



Element	Description
Web Sites	Displays all existing Web sites currently available on the content server.
Create Web Site Backup	Click to create a backup of the selected Web site. You see a page that shows the progress of the backup and any status information and error messages.
Manage Archives	Click to open the Manage Archives page (see " Manage Archives Page " on page A-23), where you can view existing backups and definition bundles and choose to perform various actions on them.
Browse	Click to select an existing site backup file or download bundle for uploading to the content server.
Upload Archive	Uploads the Web site backup or definition bundle from your file system to the content server. You see a page that shows the progress of the backup and any status information and error messages.

A.16 Manage Archives Page

The Manage Archives page is used to manage the existing Web site backups and the definition bundles uploaded through Administrator. You can view existing backups, and bundles, download a backup, restore from a backup, delete a backup, and unpack definition bundles.

Figure A–20 Web Site Backup Archives Page

Archive Type	Archive Name	Web Site ID	Backup Export Date	Actions
Web Site Backup	Loafers_2008_08_01_12_11_1	Loafers	8/1/08 12:11 PM	 
Definition Bundle	regiondefinition_new_basic_20		7/29/09 7:21 PM	 

Element	Description
Archive Type	Displays if the archive is a Web site backup or a definition bundle.
Archive Name	Displays the name of the archive used by the backup.
Web Site ID	Displays the name of the Web site that was backed up.
Backup Export Date	Displays the date and time that the backup was created or the bundle was uploaded.

Element	Description
	<p>Click this icon to open the actions menu, which will be different based on if the menu is for a Web site backup or if it for a definition bundle.</p> <p>For a Web site backup:</p> <ul style="list-style-type: none"> ■ Download backup archive as ZIP: Creates a zip file of the backup and downloads it to your computer. ■ Delete backup archive: Deletes the backup from the content server. ■ Restore backup archive contents: Restores the Web site from the backup to the content server. ■ Show server configuration details: Opens the Server Configuration Details page (see "Server Configuration Details Page" on page A-26), where you can view the content server environment for this particular site. <p>For a definition bundle:</p> <ul style="list-style-type: none"> ■ Download definition bundle archive as ZIP: Creates a zip file of the backup and downloads it to your computer. ■ Delete definition bundle archive: Deletes the backup from the content server. ■ Restore definition bundle archive contents: Restores the Web site from the backup to the content server.
	<p>Click this icon to open the Backup Archive Information page (see "Backup Archive Information Page" on page A-24), which shows the details of the Web site backup or download bundle, including the archive name, description, Web site, and creation date</p>

To resize the columns on this page so that you can read each category, place your mouse over a border until it turns into a double-arrow and then drag your mouse to resize the column.

A.17 Backup Archive Information Page

The Archive Information page shows the details of a backup or definition bundle, including the archive name, description, Web site, creation date, and so on.

Figure A-21 Backup Archive Information Page

Backup Archive Information [Help](#)

Actions:

Collection: rvh_sitestudiobackupcollection
Archive Name: restore_2007_10_03_13_41_56_559
Archive Description: Restore Archive on 10/3/07 1:41 PM

Web Site: RVH
Archive Type: backup
Last Exported: 3/21/06 10:04 AM
Last Imported: 10/3/07 1:42 PM
Last Export File Count: 346
Has Server Configuration Information: TRUE
Export Content Configuration Information: TRUE

Batch Files

Batch File	Instance Name	Number	State
06-mar-21_10.04.03_083/0680100403~1.hda	rvh	346	NEW

Element	Description
Actions (menu)	<p>For a Web site backup:</p> <ul style="list-style-type: none"> ■ Show server configuration details: Opens the Server Configuration Details page (see "Server Configuration Details Page" on page A-26), where you can view the content server environment for this particular site. ■ Download backup archive as ZIP: Creates a zip file of the backup and downloads it to your file system. ■ Restore backup archive contents: Restores the Web site from the backup to the content server. ■ Delete backup archive: Deletes the backup from the content server. <p>For a definition bundle:</p> <ul style="list-style-type: none"> ■ Download definition bundle archive as ZIP: Creates a zip file of the definition bundle and downloads it to your computer. ■ Restore definition bundle archive contents: Restores the site assets from the definition bundle to the content server. ■ Delete definition bundle archive: Deletes the definition bundle from the content server.
Backup information fields	These fields show the details of the site backup or definition bundle, such as the archive name, archive description, Web site, creation date, and so on.
Batch File	Shows the details of the batch files used in the backup.
Instance Name	Name of the server the batch file was created on.
Number	Number of files contained in the backup/definition bundle when it was first uploaded.

Element	Description
State	The current state of the batch file.

To resize the columns on this page so that you can read each category, place your mouse over a border until it turns into a double-arrow and then drag your mouse to resize the column.

A.18 Server Configuration Details Page

The Server Configuration Details page provides detailed configuration information for the content server that a backed-up Web site was located on at the time of the backup. This information includes the custom metadata fields, content types, security groups, configuration and environment settings, installed components, defined providers, and so on. This can be useful when you must know the content server environment for a particular site before you restore it.

Figure A-22 Server Configuration Details Page

The screenshot shows the 'Server Configuration Details' page with a 'Help' link in the top right. It contains two tables:

DocMetaDefinition

dName	dType	disRequire	disEnabled	disSearch	dCaption	disOptionL	dOptionLis	dDefaultVa	dOrder	dOptionLis
xCommen	Memo	0	1	1	Comments	0			1	
xDonkSho	Memo	0	1	1	Exclude Fr	0			45	
xTemplate	Text	0	1	0	TemplateT	1	TemplateT		43	combo
xWebsite	Text	0	1	1	Web Site	1	WebsiteOf		43	choice
xWebsites	Memo	0	1	1	Web Sites	0			45	
xWebsites	BigText	0	1	1	Web Site	0			47	

OptionsList

dKey	dOption	dOrder
TemplateTypeList	GUI Template	1
TemplateTypeList	Layout Template	2
TemplateTypeList	Script Template	3
TemplateTypeList	Wireless Template	4
WebsiteObjectTypeList		1
WebsiteObjectTypeList	Data File	2
WebsiteObjectTypeList	Layout File	3
WebsiteObjectTypeList	Native Document	4

Element	Description
DocMetaDefinition	Displays the document types that were used on the content server.
OptionsList	Displays the option lists that were used on the content server.
QdocTypes	Displays the default content types that were used on the content server.
Qroles	Displays the users that were used on the content server.
QsecurityGroups	Displays the security groups that were used on the content server.

Element	Description
DocFormats	Displays the content formats that were used on the content server.
ConfigCfg	Displays the configuration settings that used on the content server.
GeneralConfig	Displays the general configuration settings that were used on the content server.
ServerEnvironment	Displays the server environment on the content server.
ComponentConfiguration	Displays the installed components that were used on the content server, along with their settings.
Providers	Displays the providers that were used on the content server.

To expand a particular category and view it on a separate page, click the heading of that category.

To resize the columns on this page so that you can read each category, place your mouse over a border until it turns into a double-arrow and then drag your mouse to resize the column.

A.19 External Applications Administration page

The External Applications Administration page provides detailed cache information for external Oracle Site Studio applications. This cache information is sent back to external Oracle Site Studio applications so that they can clear their caches and request new content when needed.

Figure A-23 External Applications Administration Page

The screenshot shows the 'External Applications Administration' page. At the top, there is a breadcrumb trail: 'Administration --> Site Studio Administration --> External Applications Administration'. Below this, there are three input fields: a dropdown menu with 'resources/layouts', a text input with 's~', and a text input with '1266621358337:100'. To the right of each input field is a button: 'Clear Directory Cache', 'Clear Conversion Cache', and 'Clear Entire Cache'. Below the input fields is the section 'External Applications Cache Support Information' with the sub-section 'External Applications Expired Cache'. This section contains a table with the following data:

Token	CacheType	CacheId	Time	Message
1	G	SS_FRAGMENTS_PLAIN		UPDATE (+R)
2	G	SS_FRAGMENTS_EXAMPLES		UPDATE (+R)
3	G	SS_FRAGMENTS_DYNAMIC		UPDATE (+R)
4	G	SS_TEXTAREA_FORM		UPDATE (+R)
5	G	SS_DOCNAME_FORM		UPDATE (+R)
6	G	SS_SIMPLE_FORM		UPDATE (+R)
7	G	SS_URL_FORM		UPDATE (+R)
8	G	SS_BOOLEAN_CHECKBOX_FORM		UPDATE (+R)
9	G	SS_INTEGER_FORM		UPDATE (+R)
10	G	SS_BOOLEAN_RADIO_FORM		UPDATE (+R)
11	G	SS_FLASH_FORM		UPDATE (+R)
12	G	SS_SAMPLE_FORM		UPDATE (+R)

Element	Description
Directory Cache list (untitled)	Displays the directory caches from the Oracle Content Server's weblayout area.
Clear Directory Cache	Click to clear the selected cache and refresh.
Conversion Cache List (untitled)	Displays the conversions in the cache.
Clear Conversion Cache	Click to clear the selected conversion cache and refresh.
Clear Entire Cache	Click to have all external Oracle Site Studio applications clear their caches.
Token	Displays a number that the external Oracle Site Studio application requests for cache information.
Cache Type	Displays the content type of the cache: <ul style="list-style-type: none"> ■ G - general content. This refers to items located in the weblayout/groups folder. ■ R - resources content. This refers to items located in the weblayout/resources folder. ■ D - dynamic conversion. This refers to dynamic conversions that have run.
Cache Id	Displays the ID for the cache.
Message	Displays a debugging message from the Oracle Content Server indexing cycle.
Client Id	Displays the ID for the application server.
Access Count	Displays the number of times the Client Id polled the cache.
Last Access Time	Displays the last time an access was made to the directory cache list by the Client Id.
Request Token	Displays the token sent as a request from the application server.
Sent Token	Displays the token sent to the Client Id in response.
Message	Displays an Oracle Content Server debugging message.

Miscellaneous Administration Tasks and Considerations

This section covers the following miscellaneous administration tasks and considerations:

- ["Changing the Default Contributor Keystroke Combination"](#) on page B-1
- ["Blocking Access to the Consumption Server"](#) on page B-2
- ["Changing the Default Contributor Editor"](#) on page B-2
- ["Updating Custom Elements"](#) on page B-2
- ["Using the Certificate Validation Applet"](#) on page B-3
- ["Configuring a Single Sign-On \(SSO\) Environment"](#) on page B-4
- ["Using Pre-10gR4 Oracle Site Studio Projects"](#) on page B-5

B.1 Changing the Default Contributor Keystroke Combination

The default keystroke combination for entering contribution mode on a web page is Ctrl+Shift+F5, but you can change this. To do so, you need access to the "custom" directory on the content server where Oracle Site Studio is installed. You should inform the designers and contributors of the site if you change this value.

To change the default keystroke combination, perform these tasks:

1. Browse to the following directory (where *[CS-Dir]* is the installation location of your content server):

```
[CS-Dir]\custom\SiteStudio\publish\resources\wcm\sitestudio\
```

2. Open **wcm.toggle.js** in a text editor.
3. Locate the function `OnKeyDown`.
4. Change the implementation of this function to use a different keystroke combination that will call `WCM.CONTRIBUTOR.Toggle`.

This function uses virtual key codes to determine the key combination entered by the user. The default value is Ctrl+Shift+F5. The F5 key has a virtual key code of 116 (or 0x74 in hexadecimal). The codes for the other typical function keys, F1 through F12 are 112 (0x70) through 123 (0x7B), respectively.

5. Save and close **wcm.toggle.js**.

Note: The next time you upgrade Oracle Site Studio or install a patch, you may need to perform these steps again to retain your keystroke combination.

Note: The key codes used to determine the keystrokes should be given special consideration in instances where contributors may use different operating systems, since the virtual key codes may vary among operating systems.

B.2 Blocking Access to the Consumption Server

A contributor gains access to the content of a Web site by using a keystroke combination to enter contribution mode and then clicking a contribution icon to launch the Contributor application.

While such access is necessary on the server used for building the Web site, it is not desirable for the consumption server; that is, the server used to run the live Web site. To block contributor access to the consumption server, create the following server configuration variable in *config.cfg*:

```
DisableSiteStudioContribution=true
```

If the variable is not present or is set to *false*, contributor access is allowed.

Make sure that you restart the content server.

B.3 Changing the Default Contributor Editor

The default editor used for the Contributor application is FCKeditor, but this can be changed to Ephox. Both editors have been optimized for the Oracle Site Studio contribution editing environment.

If you want to use Ephox as the contribution editor, include the following server configuration variable in *config.cfg*:

```
SSDefaultEditor=ephox
```

If you want to change the default editor back to FCKeditor, remove this variable or change it to:

```
SSDefaultEditor=fck
```

Make sure that you restart the content server.

B.4 Updating Custom Elements

Any custom element forms created using an Oracle Site Studio release before 10gR3 (10.1.3.3.3) are not compatible with Oracle Site Studio 11gR1. They must be manually upgraded and re-authored. The primary reason for not maintaining backward compatibility is Oracle Site Studio's prior dependency on Internet Explorer's proprietary 'window.external' functionality (due to the ActiveX control used for the Contributor application). This functionality was removed from Oracle Site Studio as a result of the browser-independent, JavaScript-based Contributor application that is used in Oracle Site Studio 10gR3 (10.1.3.3.3) and higher. See *Technical Reference for Oracle Site Studio* for more information.

B.5 Using the Certificate Validation Applet

If you set up Oracle Site Studio to use Ephox as the contributor editor, the Contributor application uses a signed Java applet that has one or more signed plug-ins packaged with it. The first time that these applets are loaded on any given system, the user is prompted to accept the security certificates. Some Java Virtual Machines (JVMs) have a problem when multiple signed applets attempt to load at the same time, which may cause the browser to hang. If you encounter this problem on any client computers, there are two solutions. One is to have the security certificates pushed out to the client computers by your IT department. The other solution is to manually accept the certificates one at a time. Oracle Site Studio provides an Oracle Site Studio Certificate Validation page on the content server, where users can accept the certificates. This page is accessed from the user profile page (under "My Profile").

Since it is possible to build custom plug-ins for Oracle Site Studio Contributor, this page has been made extensible to allow the certificates to be accepted in the same way for any custom signed plug-ins. The following server configuration variables are used in this context:

- [SSEExtraCertificateClasses](#)
- [SSEExtraCertificateLabels](#)
- [SSEExtraCertificateJars](#)
- [SSHttLayerManager](#)

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, for 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 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, for 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 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-delimited list of certificate descriptions to display during the certificate validation process, for 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 with the SSEExtraCertificateClasses and SSEExtraCertificateLabels entries.

SSHttLayerManager

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

- SSHttLayerManager=default: Uses the default, internal Ephox HttpLayer manager.
- SSHttLayerManager=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 information.

B.6 Configuring a Single Sign-On (SSO) Environment

Oracle Site Studio 11gR1 can be used in forms-based authentication and single sign-on (SSO) environments. The following HTML comment must be added to the login page that prompts the user for credentials:

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

This token must be used verbatim, without any spaces or case changes. Please note that if the login form does not contain this HTML comment, Oracle Site Studio Designer cannot connect successfully when attempting to connect to a Web site protected by a forms-based login. Oracle Site Studio Designer then displays a "200 OK" message, but fails to connect.

The form's HEAD section may contain a lot of code; for example, many META tags or JavaScript code. The delivered page must have the HTML comment (or token) in the first 5,000 characters of the response, otherwise the server connection may fail. The software on the client computer sniffs the response for the

<!--IdcClientLoginForm=1--> token (using a strict string search) and route through the prompting code if it is found. It is encoded as an HTML comment so that regular browsers do not show the token when they attempt to log in. If it is Idoc Script, then the parser removes that bit of code from the delivered page, and the client-side browser will not see anything in the page.

In addition, if the forms-based login solution delivers the login form to the client without using a redirect, as is the case with Oracle Content Server's ExtranetLook component, the following server configuration variables must be added to the *config.cfg* file:

```
SSEnableExtranetLookCompatibility=1
```

Do not forget to restart the content server after modifying the *config.cfg* file. If you do not add this configuration variable, the browser shows a CGI-based URL after entering contribution mode in a Web site instead of a path-based URL.

B.7 Using Pre-10gR4 Oracle Site Studio Projects

Oracle Site Studio 11gR1 is backward compatible with earlier releases. This means that you can use Oracle Site Studio Designer 11gR1 to work with projects created in earlier Oracle Site Studio releases. You do not need to upgrade them per se. It is important to note, though, that these projects 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 Oracle Site Studio 11gR1.

If you want to use Oracle Site Studio projects created in Designer releases before 7.5, you must upgrade them first. Please note that, after upgrading, these projects will work as "legacy" projects.

For more information on upgrading pre-10gR4 projects, see *Technical Reference for Oracle Site Studio*.

