Sitecore CMS 7.0

Design Importer User Guide

How to import the design of an external webpage as a Sitecore layout or sublayout

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Chapter 1

Introduction

The Design Importer is a tool that lets non-technical users, such as, marketers and content editors, import static web pages into Sitecore. These pages could be landing pages or any other simple pages that have been created by a graphic designer or a front end developer. The Design Importer allows you to import these pages and redesign them by changing some of the placeholders and renderings. You can also edit the links and change the images that the page contains. When you are satisfied with the design of the page you can import it into Sitecore and edit its content in the Page Editor or in the Content Editor.

The Design Importer makes it easy for non-technical users to import static pages and should *not* be used to import or build entire websites.

The Design Importer User Guide contains the following chapters:

- **Chapter 1 — Introduction**
  The introduction that contains a brief description of how to install the module.

- **Chapter 2 — Editing and Importing a Web Page**
  A description of how to use the Design Importer to import an external web page.

1.1 Installing the Design Importer

The Design Importer is distributed as a Sitecore package. Sitecore packages resemble Windows Archive (.zip) files, but should not be unzipped before you install them. You can download the Design Importer package from the Sitecore Developer Network.

1.1.1 Installation Prerequisites

To install the Design Importer Design Importer 2.0 rev.130604, you must be running:

- Sitecore CMS 7.0 or later.

1.1.2 Uploading and installing the Package

You must upload the package to Sitecore before you can install it.

To upload the Design Importer package:

1. In the **Sitecore Desktop**, click **Sitecore**, **Control Panel**.

2. In the **Control Panel**, click **Administration**, **Install a Package**.

3. In the **Installation Wizard**, click **Upload** to open the **Upload Wizard**.

4. In the **Upload Wizard**, in the **Select Files** window, click **Browse** and locate the Design Importer package on your local machine.

5. In the **Select Package** window, click **Next**.

6. In the **Overwrite Existing Files** window, click the **Next**.

7. Click **Finish** to close the **Upload Wizard**.

8. In the **Select Package** dialog box, click **Next**.

9. In the **License Agreement** window, read the license, select the **I accept the terms of the license agreement** check box, and then click **Next**.

10. In the **Readme** window, read the information and then click **Next**.

    If you need this information, click **Copy to clipboard** to copy the installation information.

11. In the **Ready to Install** window, click **Install** to begin the installation.

12. When you are prompted, select the **Overwrite All** option.

13. When the installation is complete, select the **Restart the Sitecore Client** check box, but don't select the **Restart the Sitecore Server** option.

14. Click **Finish**.

1.2 Security Considerations

To be able to use the Design Importer, you must be a member of the `sitecore\Developer` composite security role.

Chapter 2

Editing and Importing a Web Page

The Design Importer is a tool that you can use to import external web pages so that you can use their layouts, templates, and content in Sitecore. Web designers or marketers can, for example, use the Design Importer to import external landing pages and all the elements they contain so that they can reuse them in Sitecore to create their own landing pages.

In the Design Importer, you can import a web page and all the elements it contains; edit its individual elements, such as, content and links. You can also replace layouts and sublayouts before you import the edited web page design into Sitecore.
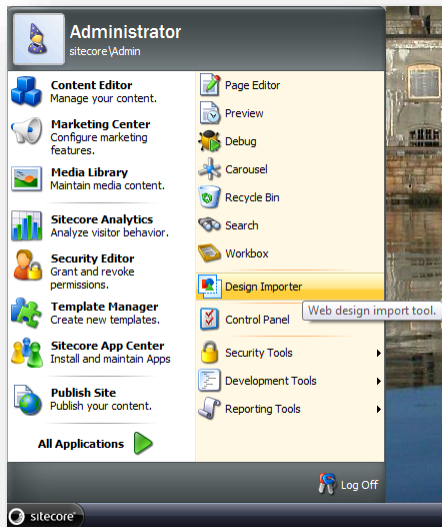
This chapter contains the following sections:

- Loading a Webpage in the Design Importer

- Editing a Web Page in the Design Importer

- Editing a Web Page Element

- Importing a Web Page or Element

- Editing a Web Page or Element in the Page Editor

- Remapping Links with the URL Remapper

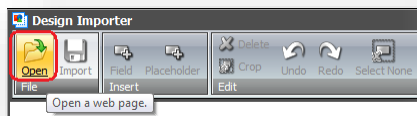## 2.1 Loading a Webpage in the Design Importer

Before you edit and import an external web page, you must load the page in the **Sitecore Desktop**.

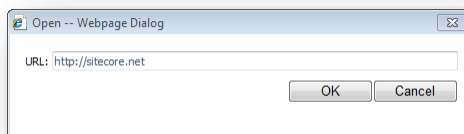To open a web page in the **Design Importer**:

1. Log on to your **Sitecore Desktop**.

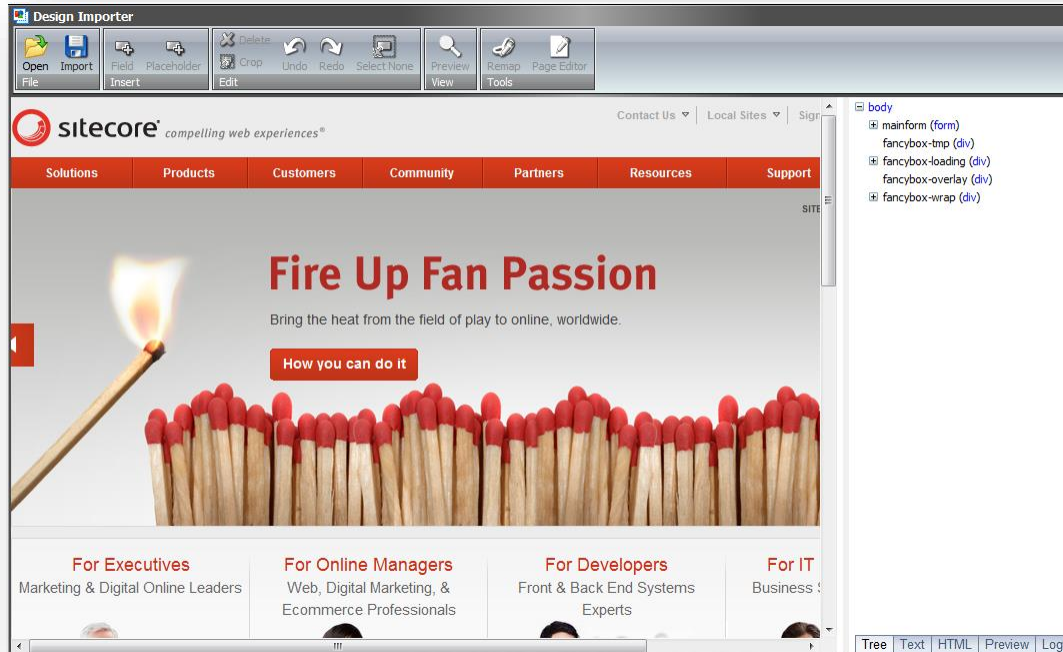2. In the **Sitecore Desktop**, click **Sitecore** and in the menu that opens click **Design Importer**.

3. In the **Design Importer**, in the **File** group, click **Open**.

The **Open** dialog box is displayed.

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4. In the **URL** field, type in the URL of the web page that you want to import. Click **OK** and the web page is opened in the Design Importer.
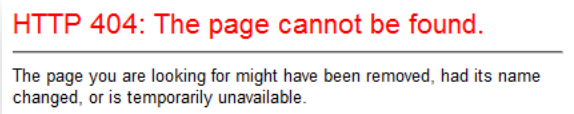

When you open the page in the Design Importer, you can see the web page elements displayed both to the left and to the right of the scroll bar. On the right-hand side, on the Tree tab, you can see the web page elements ordered and nested as they appear on the page.

Note
If you omit `http://`, the application inserts it automatically.

If the page you are looking for is not available, the following error message is displayed.

2.2   Editing a Web Page in the Design Importer

You may want to make an element on the web page editable in the Page Editor. In the Design Importer, you can replace a web page element with a field renderer or a placeholder. In the Page Editor, you can then replace the field renderer or placeholder with a field, widget or a banner.
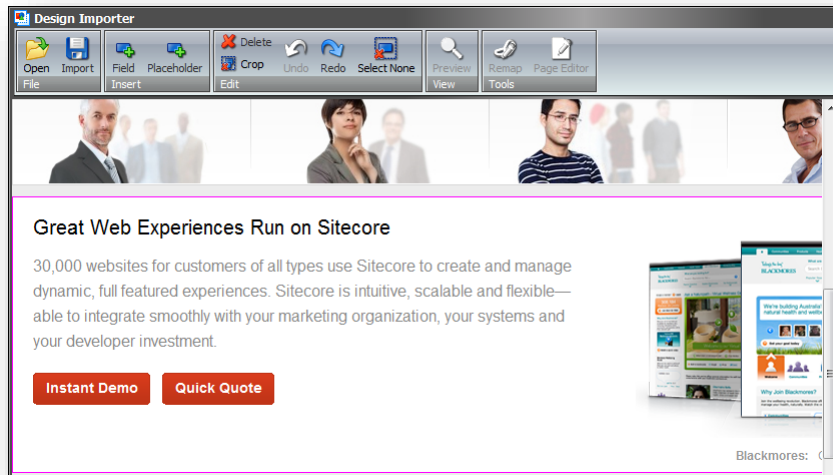
After you open a web page in the Design Importer, you can edit it.

Note
When you open a web page in the Design Importer, all the events, hyperlinks, and any multimedia content, such as Adobe Flash or Microsoft Silverlight, on the page are disabled.

To edit an element of the web page that you opened in the Design Importer:

1. Move your mouse over the web page element that you want to edit. A magenta frame appears around the element.

2. Click the element that you want to edit. The magenta frame around the element changes to a blue frame.

When you select an element, it is highlighted and expanded in the right-hand pane.

You can also select the web page element that you want to edit by clicking the element in the right-hand pane.

3. If you want to drop your selection on the web page, in the **Design Importer**, in the **Edit** group, click **Select None**.

Note
You can only edit one selection at a time.

When you edit a web page, you can:

- Delete web page elements.

- Replace web page elements with placeholders and edit them in the Page Editor.

- Replace web page elements with field renderers and edit them in the Page Editor.
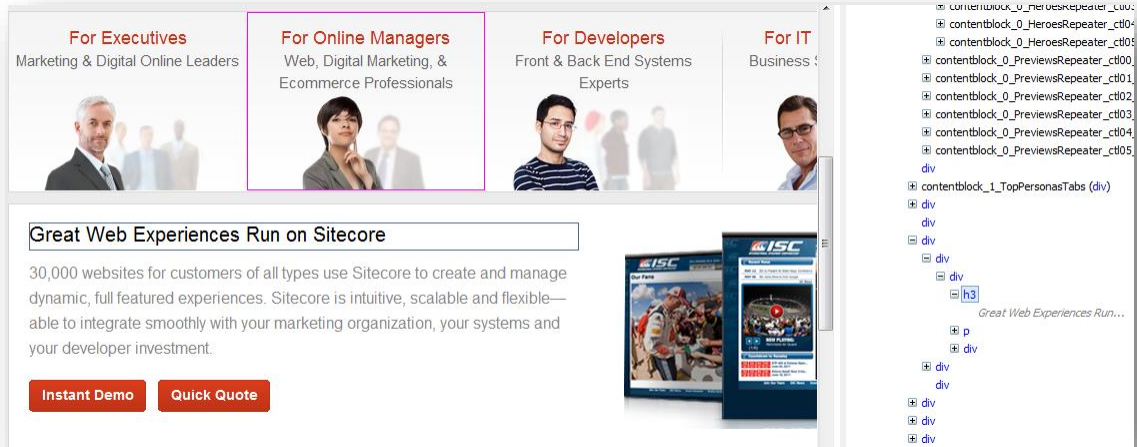
2.2.1 Deleting a Web Page Element

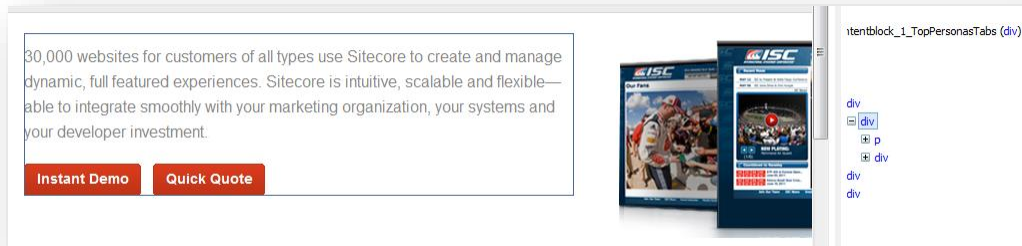You can delete elements on the web page that you imported.

To delete a web page element:

1. Click the element on the web page that you want to delete.

2. In the **Design Importer**, in the **Edit** group, click **Delete** and the web page element is deleted.

3. When the element is deleted, the parent of the deleted element is then selected for editing.
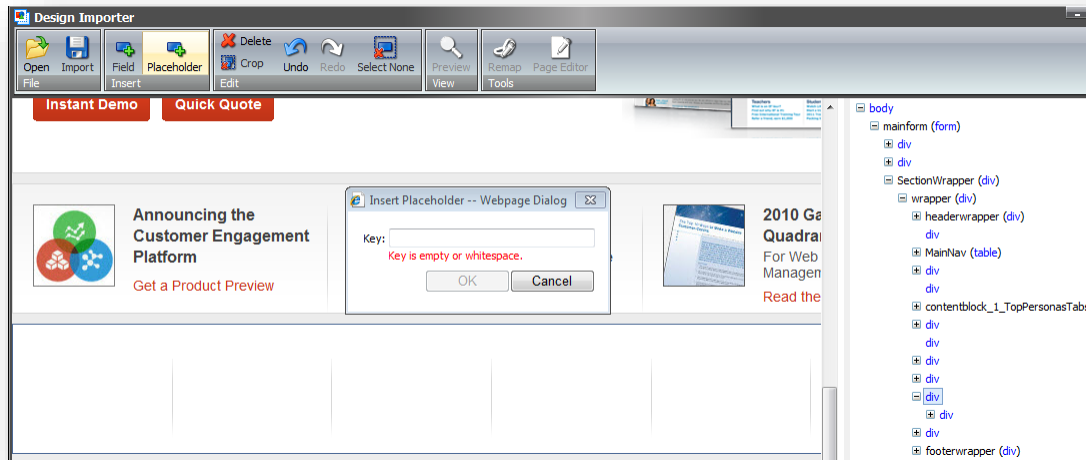

2.2.2   Replacing a Web Page Element with a Placeholder

If you want to insert an advertising banner, a promotion video, or a widget at a later point using the Page Editor, you may want to replace a web page element with a placeholder.

To replace a web page element with a placeholder:

1. In the **Design Importer**, click the element on the web page that you want to replace.

2. In the **Design Importer**, in the **Insert** group, click **Placeholder**. The **Insert Placeholder** dialog box is displayed.

Note that the selected web page element in the Page Explorer is displayed as `div` highlighted in blue.
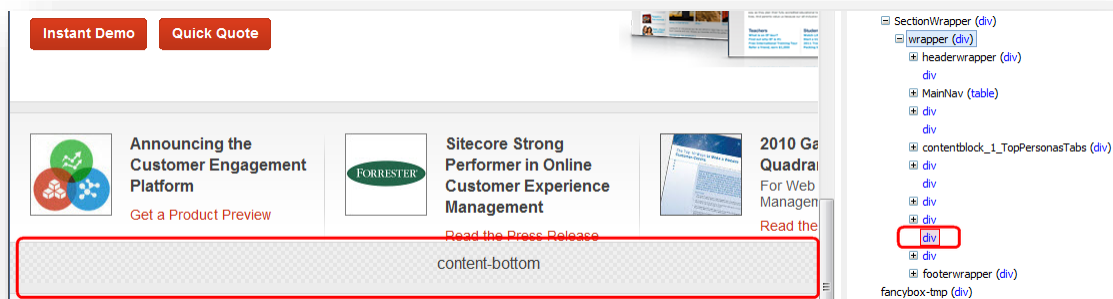
3. In the **Insert Placeholder** dialog box, in the **Key** field, enter a key for the placeholder that you want to create. The key can be a word or a number. It is a property that defines the placeholder.

For more information about what a *key* is, see the section *Placeholders* in the Presentation Component Cookbook for Sitecore 6.4.

Important
The key must be valid for Sitecore placeholders and must be unique for this particular web page. You cannot insert more than one placeholder with the same key.

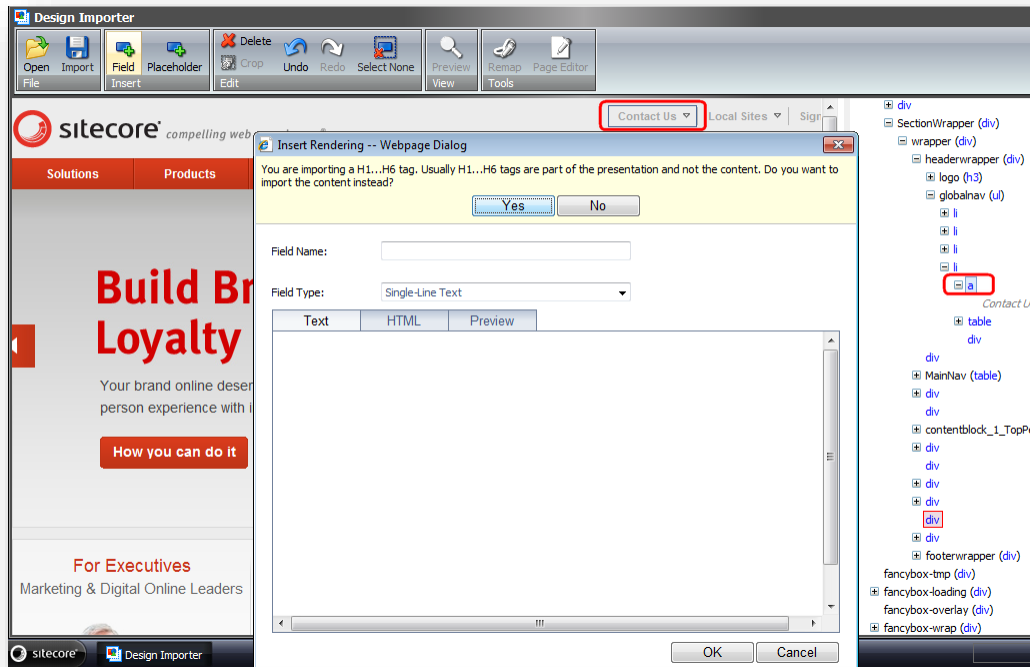4. Click **OK**. The Design Importer displays the placeholder that you replaced the web page element with.

Note that the placeholder that replaced the web page element is now displayed in the Page Explorer as `div` highlighted in red.

2.2.3   Replacing a Web Page Element with a Field Rendering

You can replace a web page element with a field rendering. In the Page Editor, you can then replace this field rendering afterwards with a field that you can use for advertising.

To replace a web page element with a field rendering:

1. Click the element on the web page that you want to replace.

2. In the **Design Importer**, in the **Insert** group, click **Field**. The **Insert Rendering** dialog box is displayed.
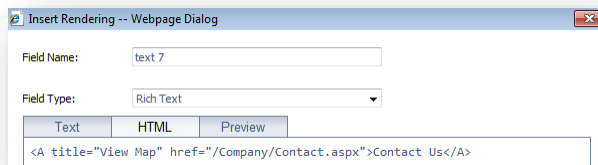

The web page element you select on the Tree tab is displayed as `div` on a blue background.

3. If you select an element that contains headings, you can delete these headings before importing if you don't need them. To remove the heading tags from the web page element, in the **Insert Rendering** dialog box, click **Yes**.

Note
We recommend you to remove the heading tags, because they belong to the presentation and not to the content.

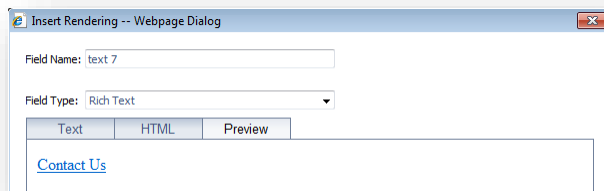On the **HTML** tab of the **Insert Rendering** dialog box, the heading tags are removed.

If you click **No**, the heading tags are not removed. If you don't click any of the buttons, the heading tags are not removed.

4. In the **Insert Rendering** dialog box, in the **Field Name** field, enter a name for the field renderer that you are going to create.

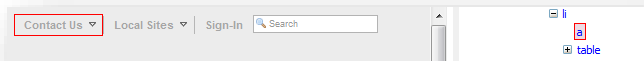5. In the **Field Type** field, select the field type.

Important
The field name must be valid for Sitecore field renderers and must be unique for this particular web page. You cannot insert more than one field renderer with the same field name.

6. To preview the field, click the **Text**, **HTML** or **Preview** tabs depending on what you want to preview.

7. In the **Insert Rendering** dialog box, click **OK**.

Once the element is replaced with a field renderer, it is marked as replaced in the Page Preview with a red border and in the Page Explorer with a red background.
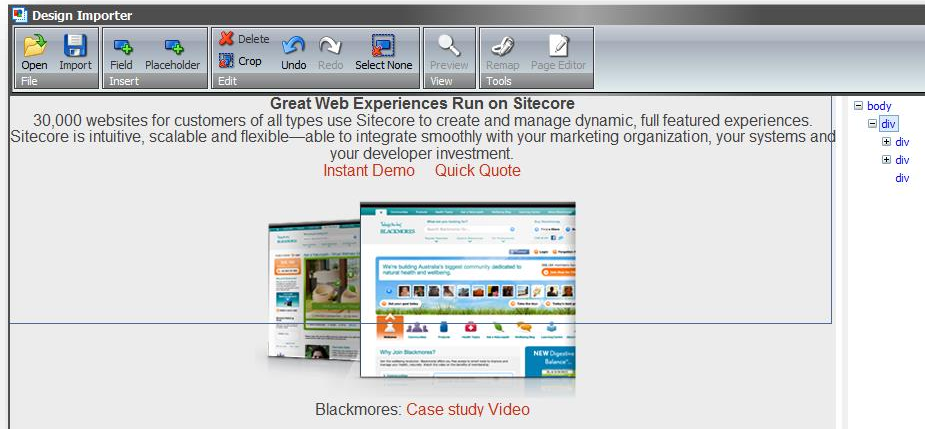
2.3   Editing a Web Page Element in the Design Importer

In the Design Importer, you can edit a particular web page element, for example a widget, before importing it as a layout or sublayout to reuse on a different web page.

If you want to turn a particular element of the web page into a Sitecore layout or sublayout:

1. Click a web page element that you want to save as a layout or sublayout.

2. In the **Design Importer**, in the **Edit** group, click **Crop** to delete all the other elements on the web page.
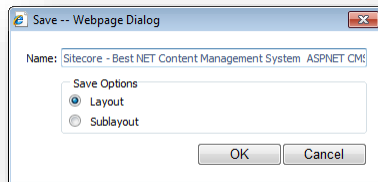

The web page element is ready to be imported.

2.4 Importing a Web Page or Element

You can import an entire web page or some of its elements in Sitecore.

In the Design Importer, you use one button, **Import**, to save the changes and launch the process of importing.
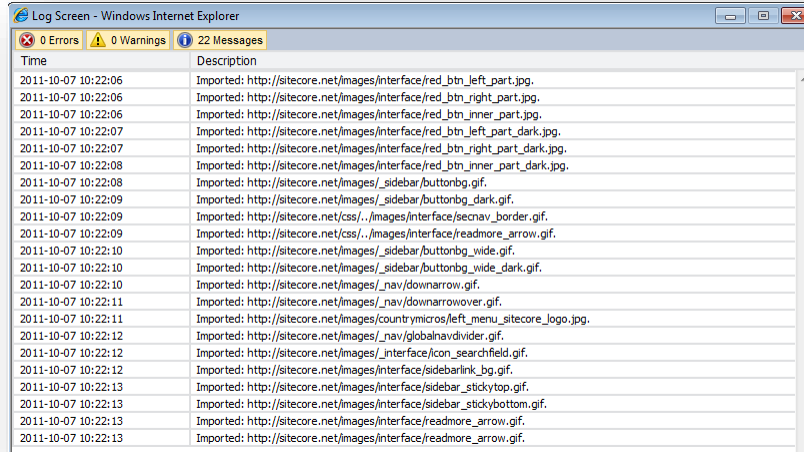
1. When you are finished editing an element, in the **Design Importer**, in the **File** group, click **Import** to save the changes. The **Save** dialog box is displayed.

2. In the **Save** dialog box, in the **Name** field, give a name to the layout or sublayout that you want to import into Sitecore CMS.

   This name must be a valid name for a Sitecore item. If the specified name is missing or not valid, you cannot save this web page or element design.
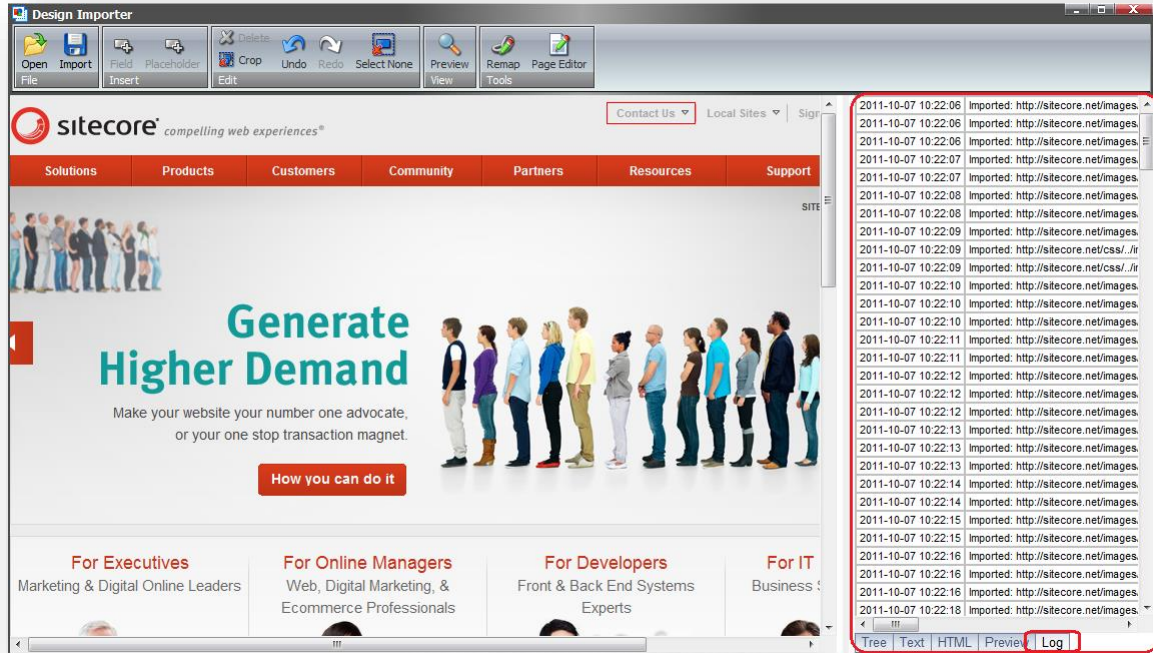
3. In the **Save Options** section, select the option that meets your needs. You can import the web page or the web page element as a layout or as a sublayout.

4. Click **OK** to start importing. The **Log Screen** window is displayed.

The **Log Screen** window displays the log messages that are received from the server. There can be 3 types of log messages:

- o Error messages (in red)
- o Warning messages (in yellow)
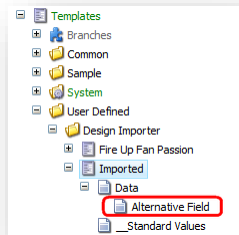- o Informational messages (in gray)

5. Click **Errors**, **Warnings**, or **Messages** if you don't want the **Log Screen** to display these types of messages. When you disable a particular type of log messages, the respective log messages are still counted on the button. Click the button to display them again.

6. When the import process is complete, the **Log Screen** window closes and the *Download successful* message is displayed. You can view the log messages on the **Log** tab.

When you import a web page design, the Design Importer creates the following items:
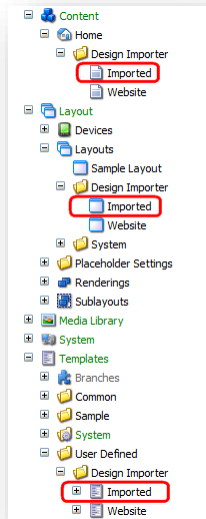
- A template in the `/sitecore/Templates/User Defined/Design Importer` folder.

  This template contains a field for every field renderer inserted on the page that you imported.

- The standard values assigned to the template.

- A layout in the `/sitecore/Layout/Layouts/Design Importer` folder.

- A content item in the `/sitecore/content/Home/Design Importer` folder. The layout is assigned to the content item.

2.4.1 Importing the Dependencies

Dependencies are web resources, for example: CSS, JavaScript, images, multimedia content, including Adobe Flash, Microsoft Silverlight, or Oracle Java Applets that are used on the page.

The Design Importer imports all the dependencies of the web page into Sitecore CMS. It searches through the dependencies recursively. If an imported dependency contains links to other dependencies, they are imported as well. When a dependency is imported, it is stored in the Media Library as a media item. The original link to the dependency in the page source is replaced with a link of the media item.

To prevent you from importing the same web resource many times, the Design Importer uses a checksum of the resource to generate a path in the Media Library where it is stored as a media item. Next time the Design Importer checks this path, it will not import the same web resource in the folder.

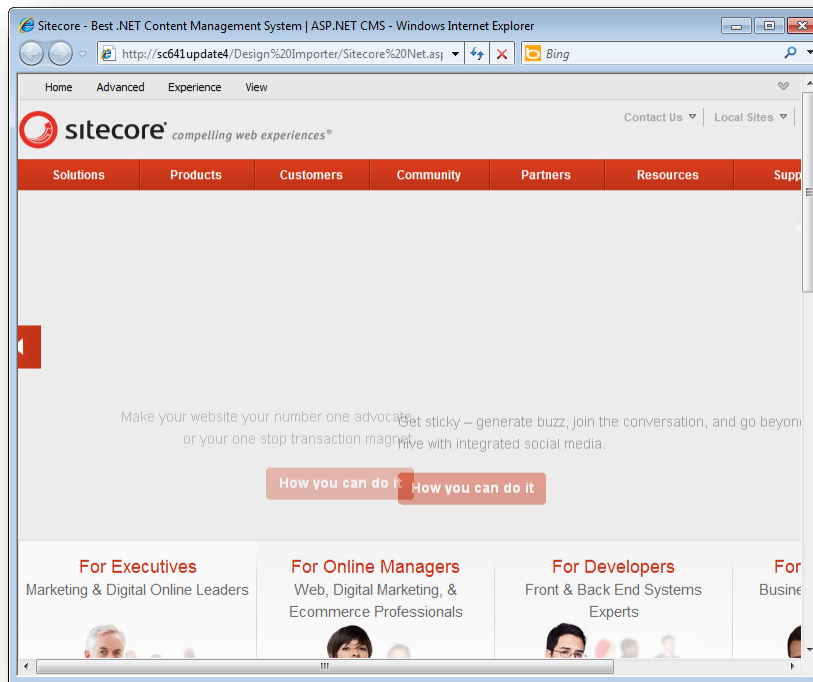## 2.4.2 Previewing the Imported Web Page or Element

You can preview the web page or web page element that you imported.

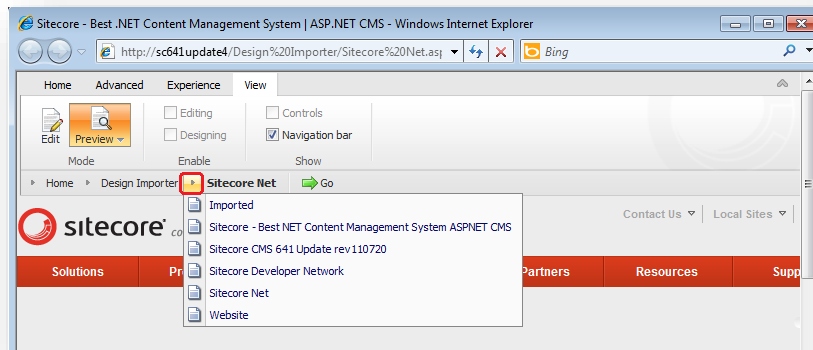To preview the web page or web page element that you imported:

1. In the **Design Importer**, in the **View** group, click **Preview**.

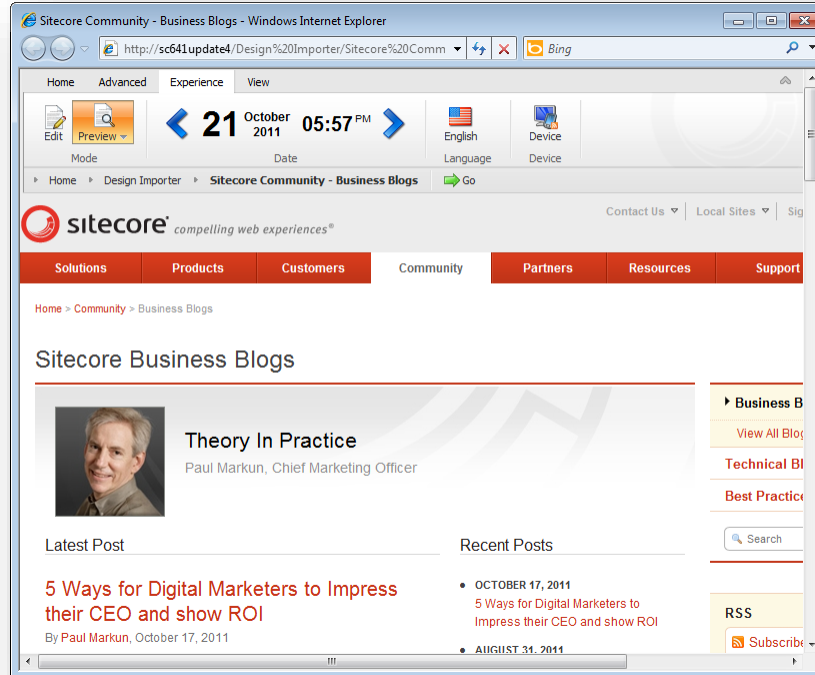A new browser window opens with a preview of the imported web page or web page element.

2. To select another imported web page or web page element, in the Page Editor menu at the top of the page, click **View**, and then in the **Show** group, select the **Navigation bar** check box.

3. In the navigation bar that appears, click the arrow on the left of the web page or web page element name. A list of the web pages and web page elements that you imported with the Design Importer is displayed.

4. Click the web page or web page element that you want to preview, and then click **Go**. The new web page or web page element is displayed in the browser.

2.5 Editing a Web Page or Element in the Page Editor

You can use the Page Editor to edit both the content and design of the web page that you imported with the Design Importer. You can replace a field rendering with a field you want, for example a text field. You can also replace a placeholder on the imported web page with any static or dynamic content.

To open the Page Editor, click **Preview** or click **Page Editor** in the Design Importer.

For more information about editing a web page in the Page Editor, see the *Content Author's Cookbook*, which you can download from the Sitecore Developer Network.

2.6 Remapping Links with the URL Remapper

After you have imported a web page, some of the URL links to external or internal web resources may become invalid. You can repair these links in the Design Importer.

2.6.1 The URL Remapper

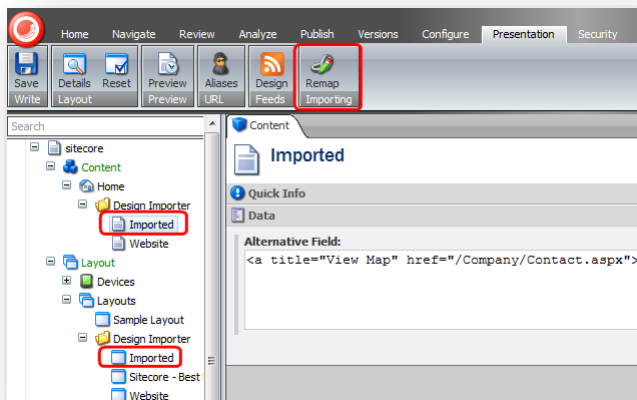With the URL Remapper you can automate remapping of several links that refer to the same web resource.

You can access the **URL Remapper** from the:

- Design Importer
- Content Editor

In the Design Importer, the **URL Remapper** is only available after you import a web page or a web page element.

You can also access the **URL Remapper** in the Sitecore Content Editor. After you use the Design Importer to import a web page or a web page element, the **URL Remapper** is available on the **Presentation** tab.

Note that the item in the content tree whose links you want to remap must have a layout that is assigned to this item in the `Sitecore/Layout/Layouts/Design Importer` folder.
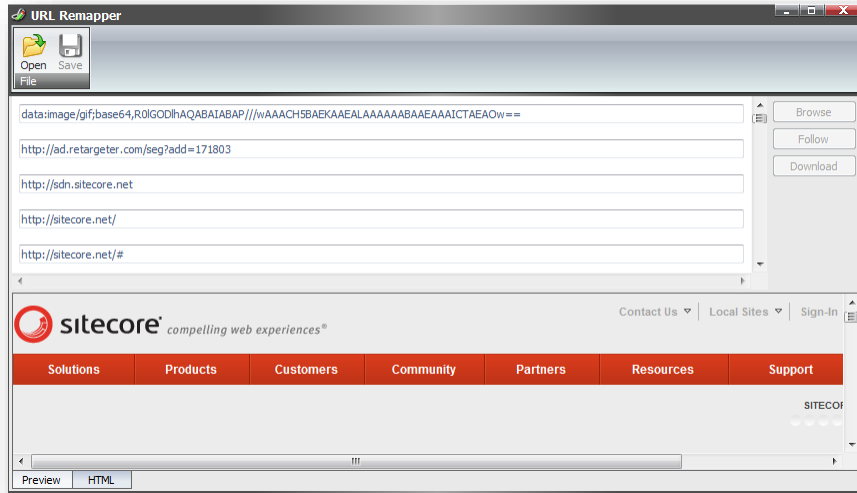
Note
You can only use the URL Remapper to open items to be remapped if you have previously edited them using the Design Importer. Otherwise, you will receive a `Source URL of the layout not found` exception.
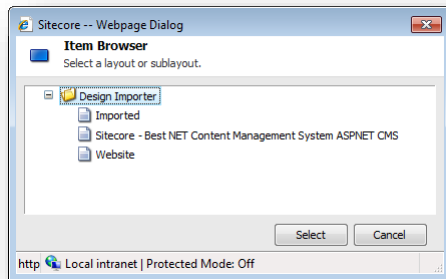
2.6.2 Editing Invalid Links

After you import a web page into Sitecore, some of the links that the page contains may become invalid. In the URL Remapper, you can find the invalid links and remap them.

To remap invalid links:

1. In the **Design Importer**, in the **Tools** group, click **Remap** and the **URL Remapper** opens.
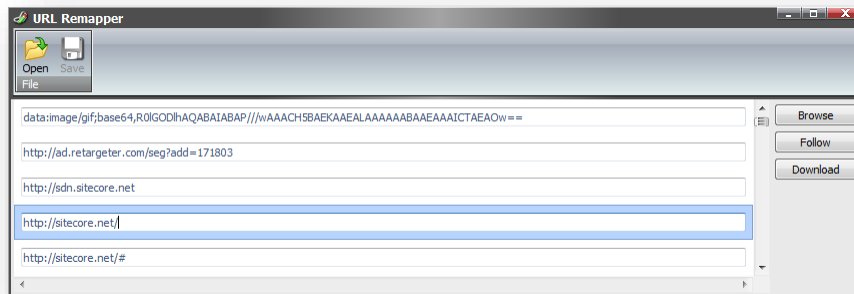

2. If you want to edit links on a different web page, in the **URL Remapper**, in the **File** group, click **Open** and the **Item Browser** dialog box opens.

3. Select the layout or sublayout in which you want to remap the links, and then click **Select**. The web page layout that you want to edit is displayed.

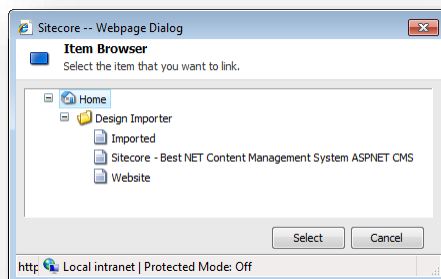4. To edit a link, click the link field that you want to edit. The link field is highlighted.

5. Replace the URL in the link field with the URL that you want to use.

You can validate the link that you edited. To test the new URL, click **Follow**. The web page of the new URL opens in a new window.
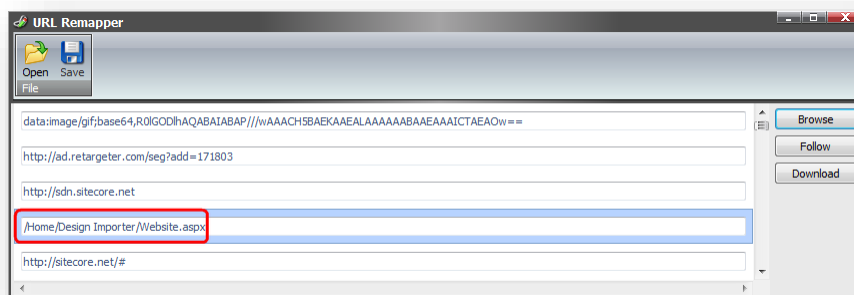
You can also associate a link you are editing with an item in the Sitecore content tree.

To associate a link with a Sitecore item:

1. In the **URL Remapper**, select the URL that you want to link to, and then click **Browse**. The **Item Browser** dialog box opens.
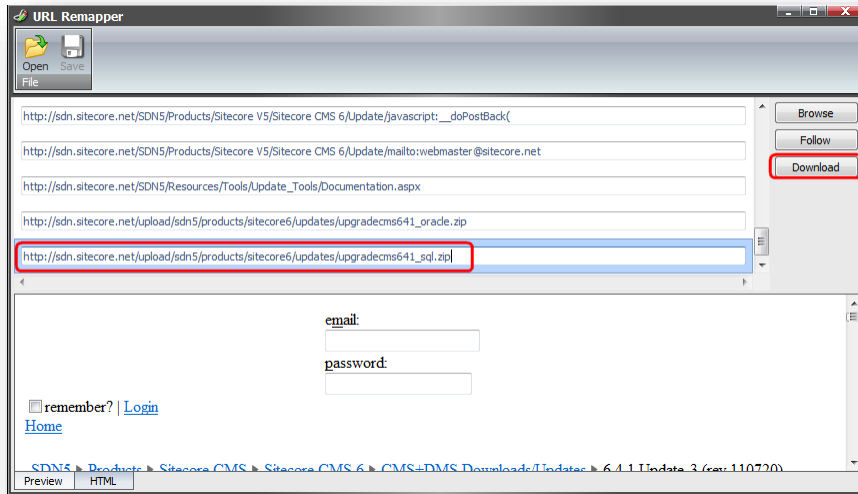

2. In the **Item Browser**, click the item that you want the link to point to, and then click **Select**. The URL in the link is changed.
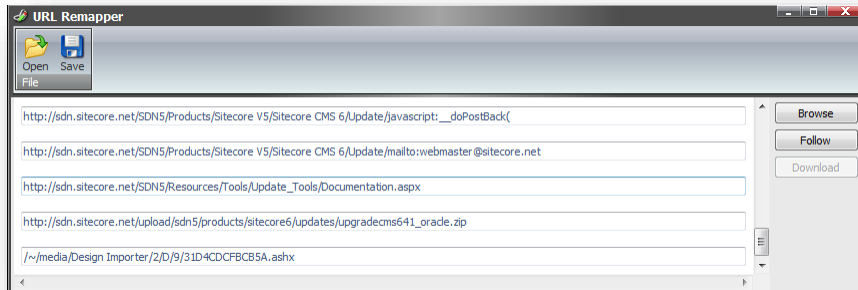

You can download a web resource from an external web page to the *Media Library* and create a new link to it in the *Media Library*.
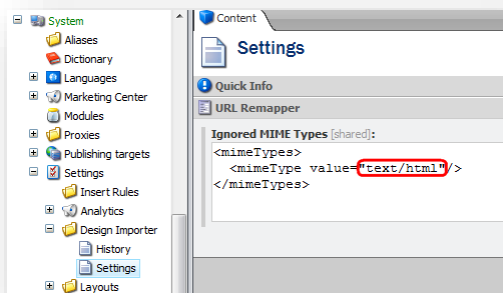
To download a web resource:

1. In the **URL Remapper**, click the link whose web resource you want to download.

2. Click **Download**.

When you click **Download**, the link is replaced by a link to the item in the *Media Library*.
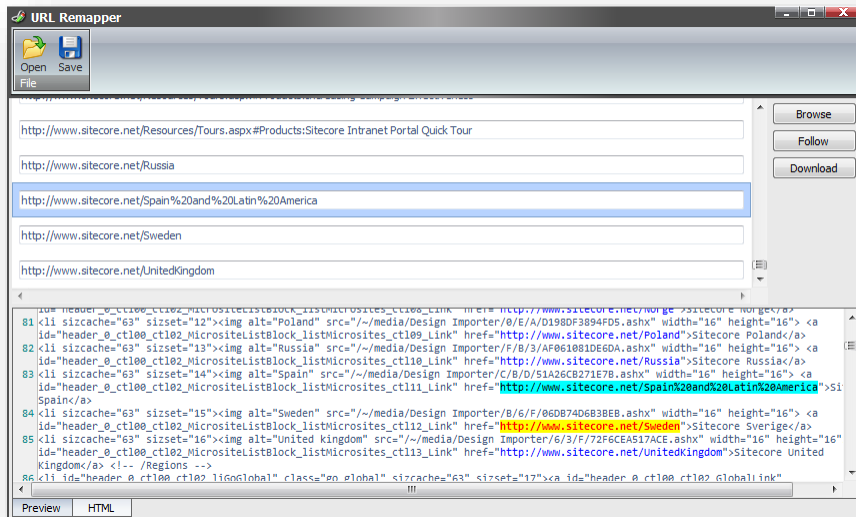

By default, you cannot download web resources of the `text/html` content type. You can change this in the URL Remapper settings, in the `sitecore/system/Settings/Design Importer/Settings` item, in the `<mimeTypes>` section.

2.6.3 Previewing the Links

You can preview the changes that you made to the links at the bottom of the **URL Remapper** window on the **Preview** tab and on the **HTML** tab.

On the **HTML** tab, the HTML source of the imported layout is displayed.

The HTML tab displays the links as true hyperlinks. All the links are displayed in blue text. The link that you are currently editing is highlighted in blue. The links that you have already edited are highlighted in yellow.

Note
The changes that you make to the links while remapping are instantly implemented in the imported layout or sublayout.

2.6.4 Editing the Remapping History

When you have edited a link, you cannot re-edit it in the URL Remapper. However, you can re-edit the link in the Master database in the Content Editor, where the URL Remapper tracks the remapped links to avoid redundant remapping. The remapping history is stored in the

`/sitecore/system/Settings/Design Importer/History` item.