

Upgrading Sitecore CMS V5.3.0 Build 061102 installation or later to Sitecore CMS V5.3.1 rev.070924.

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Chapter 1

Introduction

The main purpose of this document is to enable a user to upgrade an existing Sitecore CMS V5.3.0 Build 061102 installation or later to Sitecore CMS V5.3.1 rev.070924.

1.1 This Document

This document contains the following chapters

- [Chapter 1 – Introduction](#)
- [Chapter 2 – Installation & Configuration](#)

1.2 Upgrade features

Note: To upgrade a Sitecore solution from any version prior to Sitecore 5.3.0 Build 061102 users should use the Migration Framework located by following the link below.

<http://sdn5.sitecore.net/Resources/Tools/Data%20Migration.aspx>

The Migration Wizard allows you to transfer data from the following releases of Sitecore: 4.3.x, 5.1.1.x, 5.2.x, 5.3.0.

The upgrade procedure consists of the following sequential upgrades:

- Sitecore CMS V5.3.0 Build.061102 to Sitecore CMS V5.3.1 rev.070515.
- Sitecore CMS V5.3.1 rev.070515 to Sitecore CMS V5.3.1 rev.070628.
- Sitecore CMS V5.3.1 rev.070628 to Sitecore CMS V5.3.1 rev.070727.
- Sitecore CMS V5.3.1 rev.070727 to Sitecore CMS V5.3.1 rev.070828.
- Sitecore CMD V5.3.1 rev.070828 to Sitecore CMS V5.3.1 rev.070924.

Chapter 2

Installation & Configuration

This chapter deals with the process of installing the upgrades.

2.1 Backup the Site

Before beginning this or any Sitecore upgrade, be sure to make a full backup of your existing site. The backup should include both the web root files and Sitecore databases (backed up with appropriate database vendor provided tools).

2.2 Install Sitecore 5.3

Perform an installation of Sitecore CMS V5.3 into a new folder.

- [Download self-extracting Sitecore client installation](#) (191 Mb .exe file).

Important Notes:

- Do not install into an existing site directory.
- You should reuse all of your databases except for the **core** database.
- Download and run the upgrade script after the step 5) which modifies the links table in the databases (skip this step for SQLite).

[links table database upgrade script.sql](#) (.zip archive, 1 Kb)

2.3 Copy Files

Copy any site specific files from the previous Sitecore installation web root into the new Sitecore web root. Site specific files are likely to exist in the following directories under the Sitecore web root.

- **The Sitecore web root**
This directory may contain site specific files. For example, the default.css file may have been extended for this site.

NOTE: The web.config file, most likely, also contains site specific changes, but this file should **NOT** be copied to the new Sitecore 5.3 installation. Rather, the web.config

changes should be **MERGED** into the Sitecore installation (described below).

- **bin**
This folder usually contains custom dlls. Do **NOT** copy all the files in this directory, only files that are site specific.
- **data**
This folder contains the license.xml file.
- **layouts**
This folder contains the site's presentation layer files, such as aspx, ascx, and related files.
- **upload**
This folder contains the site's media library files.
- **xsl**
This folder contains the site's XSLT renderings.

2.4 Update IIS

Change the IIS web site home directory to point to the new Sitecore **/website** folder.

2.5 Merge the configuration files

You need to locate the changes made to the Sitecore configuration files and the web.config file and make corresponding changes in the new installation.

The location of the configuration files is determined by the following settings in web.config:

```
<sitecore database="SqlServer">  
<connections serverMode="File">  
<sc.include file="/App_Config/$(database)/$(serverMode)Connections.config" />  
</connections>
```

Site specific configuration files are stored in the **/App_Config** folder by default (determined by `<sc.include>` definition). You should edit the appropriate configuration files, depending on the database type you use, in a text editor.

Note: the filenames below are given as they are in the default installation. These names may be changed by users (see the appropriate **web.config** settings)

SQLite Database:

Open the **fileconnections.config** file under **/App_Config/sqlite/** in the editor. The databases location is determined by the following string:

```
<configuration dataFolder="/data/">
```

SQL 2005 Express or SQL 2000/2005 Database:

You need to edit the FileConnections.config or ServerConnections.config file depending on the way in which Sitecore is connected to the databases:

FileConnections.config:



```
<configuration serverName="srv_name" dataFolder="_data_" prefix="your_prefix"
user="user_name" password="password">
```

ServerConnections.config:

```
<configuration serverName="srv_name" prefix="your_prefix" user="user_name"
password="password">
```

The prefix attribute refers to the prefix given to the database names in Microsoft SQL Server. The Sitecore configuration files provide an attribute for this value, so that you can change the prefix for all databases in one place.

There may be many other places where the Sitecore web.config file has changed. Please refer to the Sitecore Configuration Guide for more information.

2.6 Install Upgrade Packages

Below are the links to the files which are required for the upgrade steps in this section:

[Sitecore 5.3.0-5.3.1 master database upgrade patch](#) (Sitecore 5.3.1 package, 85 kb).

[patch_sc531rev070628.zip upgrade patch](#) (zip archive, 21.7 Kb)

[“Upgrade package to Sitecore 5.3.1 rev. 070628.zip”](#) (Sitecore 5.3.1 package, 2.56 Mb)

[“Upgrade package to Sitecore 5.3.1 rev. 070727.zip”](#) (Sitecore 5.3.1 package, 4.68 Mb)

[“Upgrade package to Sitecore 5.3.1 rev. 070828.zip”](#) (Sitecore 5.3.1 package, 1.99 Mb)

[“Upgrade package to Sitecore 5.3.1 rev. 070924.zip”](#) (Sitecore 5.3.1 package, 1.55 Mb)

1. Install **Sitecore 5.3.0-5.3.1 master database upgrade patch** (Choose Merge Clear every time when prompted for items)
2. Install **Upgrade package to Sitecore 5.3.1 rev.070628.zip** (Choose Merge Clear every time when prompted for items and Overwrite for files).
3. Stop IIS.
4. Extract the Global.asax to the Sitecore root directory of the website from the **patch_sc531rev070628.zip** file.
5. Update web.config file: you need to locate the changes made in the old web.config file and make corresponding changes in the new web.config file extracted from **patch_sc531rev070628.zip**. Replace the existing web.config file with the updated one.
6. Start IIS.
7. Install **Upgrade package to Sitecore 5.3.1 rev.070727.zip** (Choose Merge Clear every time when prompted for items and Overwrite for files).
8. Stop IIS.
9. Add **ContentEditor.ClassicFrameEventPropagation** setting to the <settings> section in the web.config file. See the [web.config changes](#) page for details.

```
<!-- CONTENT EDITOR CLASSIC FRAME EVENT PROPAGATION
Indicates whether the Content Editor uses classic frame event
propagation. In classic propagation all item events are sent to all
frames in the content editor. This may hurt server and client
performance. If classic mode is not used, only events relating to items
that are either selected in the content editor or subitems thereof, are
propagated.
Default value: false
```

```
-->  
<setting name="ContentEditor.ClassicFrameEventPropagation" value="false"  
</setting>
```

10. Start IIS

11. Install **Upgrade package to Sitecore 5.3.1 rev.070828.zip** (Choose Merge Clear every time when prompted for items and Overwrite for files).

12. Stop IIS

13. Change **Sitecore.Pipelines.HttpRequest.FilterUrlExtensions** parameters in the `<pipelines>` section of the `web.config` adding the text in **bold** to match the following example

```
<processor type="Sitecore.Pipelines.HttpRequest.FilterUrlExtensions,  
Sitecore.Kernel">  
<param desc="Allowed extensions (comma separated)">aspx</param>  
<param desc="Blocked extensions (comma separated)">*</param>  
<param desc="Blocked extensions that stream files (comma separated)">  
</param>  
<param desc="Blocked extensions that do not stream files (comma  
separated)">*</param>  
</processor>
```

Path: /configuration/Sitecore/pipelines/httpRequestBegin

14. Add the `Indexing.ServerSpecificProperties` setting to the `<settings>` section of the `web.config`

```
<setting name="Indexing.ServerSpecificProperties" value="false" />
```

Path: /configuration/Sitecore/settings

Description: Indicates if server specific keys should be used for property values (such as 'last updated').

15. The following setting needs to be removed:

```
<setting name="Media.SecureFolder" value="/secure" />
```

Path: /configuration/Sitecore/settings

Description: Specifies the path to a folder in the Media Library for which media will always be checked for security. Media in other folders may be served from a special cache that does not check security on the media items. To secure all media, use the value `"/`: `<setting name="Media.SecureFolder" value="/"/>`. To secure no media, use the value `""`: `<setting name="Media.SecureFolder" value=""/>`.

16. Start IIS

17. Install **Upgrade package to Sitecore 5.3.1 rev.070924.zip** (Choose Merge Clear every time when prompted for items and Overwrite for files).

18. Stop IIS

19. Start IIS

Note: There are no `web.config` changes with the last upgrade.

2.7 Rebuild the Search Index

Rebuild the Search Index after all upgrade steps are performed (**Control Panel » Database » Rebuild the Search Index**).

2.8 Test the Site

The upgrade process is now complete. We recommend that you perform a full test of your site.

Note: Please make sure that all code that references the Sitecore API is compatible with the current version of Sitecore. Some code may need to be recompiled. If you use some of the Sitecore modules, please make sure that you have the latest versions installed.