

Kentico CMS 7.0 Installer documentation

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Kentico CMS 7 Installer Home

Welcome to the Kentico 7 Installer documentation!

What is the Kentico Installer?

The Kentico Installer (or in short just Installer) is our new tool for installing Kentico. It offers an easy installation for inexperienced users in just a few clicks and provides developers with a clear and compact installation interface.

Kentico Installer v7
I have read and agree to the <u>License Terms and Conditions</u>
Quick installation
Custom installation
Modify
Uninstall

The previous installation procedure

This tool replaces the previous four-step installation procedure (Setup, Web installer, Database setup and New site wizard) and also the Silent Install tool. If you are looking for the documentation of the installation procedure before the Kentico Installer (Kentico CMS 7.0 version before 5/2013), see the Kentico CMS 7 Developers Guide.

Where to start?

You can begin by installing Kentico for evaluation purposes using the Quick installation button.

Or you can check if your development server meets the recommended configuration and then:

• Install Kentico on your local computer with your own preferred settings using the **Custom installation** button. If you come across any difficulties with selecting the right options, see Installing Kentico (Q&A) for recommendations.

-- or --

Develop your website on a remote server or set up a production environment. You will find detailed procedures for this type of
installation in the Installing Kentico on a remote server section.

Where to get more information?

To learn how to develop websites, see the Tutorial.

To see complete Kentico CMS 7 documentation, open the Kentico CMS 7 Developers Guide.

You can also visit our portal for developers with blogs, forums, knowledge base and other documentation material at DevNet.

If you need advice on how to use Kentico CMS, feel free to write to support@kentico.com. The support team operates non-stop and will be happy to help you.

Download this documentation as PDF.

Quick installation on a local machine (no requirements needed)

This type of installation is the quickest way of installing Kentico CMS on your machine. The only prerequisites you will need are:

- The operating system: Windows Vista Home Premium/Business/Enterprise/Ultimate, Windows 7 (both 32bit and 64bit) or Windows 8 (both 32bit and 64bit), or their corresponding server versions Windows Server 2008, 2008 R2, 2012.
- Connection to the Internet.

Quick installation

All you need to do is:

- 1. On the home page of the Installer, agree to the license terms.
- 2. Click Quick installation.

Kentico Installer v7
I have read and agree to the <u>License Terms and Conditions</u>
Quick installation
Custom installation
Modify
Uninstall

3. Choose a sample site you wish to install. We recommend the **Corporate site** and the **E-commerce site**. These sites utilize and present most of the functionalities Kentico provides, and are therefore best suited for evaluation purposes.



4. Click Install.

The Kentico Installer now installs Kentico CMS including everything else needed for it to run.

Default logon credentials

The default user name to a newly installed web project is administrator, the default password is blank (no password).

Default configuration of the quick installation

In case you want to know what has been installed on your computer during this installation process, we are providing this list:

- .NET Framework 4.0
- Program files (in c:\Program Files (x86)\KenticoCMS\KenticoCMS7\)
- IIS Express (if you do not have IIS installed already) with Integrated mode of application pool and with a virtual directory (http://localh ost/KenticoCMS7)
- SQL server native client
- SQL Server 2012 Express LocalDB
- Database
 Wob site r
 - Web site project (in c:\inetpub\wwwroot\KenticoCMS\)
 - Kentico CMS core files
 - Context help

- All available modules
- All sample site templates
- All available spell checker dictionaries
- All available UI Cultures
- Your chosen sample sites
- Trial license

Server and hosting requirements

Supported server-side configuration

We recommend you to install the following components on the computer where you want Kentico to run. However, if you do not install these components on your computer before installing Kentico, the new Kentico Installer is capable of downloading and installing them or their suitable alternatives (except for the operating system and the built-in Visual Studio server) on its own. Although, in such case, your computer must be connected to the Internet.

- Windows Vista Home Premium/Business/Enterprise/Ultimate, Windows 7 (both 32bit and 64bit) or Windows 8 (both 32bit and 64bit), or their corresponding server versions Windows Server 2008, 2008 R2, 2012.
- Microsoft .NET Framework 4.0 or higher.
- Microsoft Internet Information Services (see the table below) or Visual Studio/Visual Web Developer 2008/2010/2012 built-in web server. Depends on which server you choose to install your web project into.
- Microsoft SQL Server 2005, 2008, 2008 R2, 2012 (including free SQL Server Express Edition 2005/2008/2012).

Internet Information Services overview

The following table lists instructions on how to install different versions of IIS on different operating systems.

Internet Information Services version	Operating system	Details and installation instructions	
IIS 5.1	Windows XP Professional	not supported	
IIS 6.0	Windows Server 2003	not supported	
IIS 7.0	Windows Vista	IIS 7 Installation and Deployment	
	Windows Server 2008		
IIS 7.5	Windows 7		
	Windows Server 2008 R2		
IIS 8.0	Windows 8	Installing IIS on Windows Server 2012	
	Windows Server 2012		

It's recommended to install IIS with all its available features.

Hosting Requirements

The following list presents requirements that your web hosting provider should meet.

- All server-side requirements.
- Medium-trust or full-trust permissions for the ASP.NET application.
- If the server uses medium trust, ASP.NET AJAX 1.0 must be installed on the server.
- It's recommended that your hosting plan comes with 250 MB or more memory and 100+ MB database.

Trouble finding a web hosting provider?

You can pick from the list of our hosting partners.

Cloud hosting

Kentico CMS fully supports the Microsoft Windows Azure platform, including SQL Azure, Azure Storage and other services. Windows Azure SDK 1.7 is required.

Development Tools

If you want to create custom web parts or integrate custom code, you need:

• Visual Studio 2010/2012 or free Visual Web Developer 2010 Express / Visual Studio Express 2012 for Web.

Supported Client Browsers for Content Editors

- Internet Explorer 8+
- Firefox 4.0+
- Chrome 12
- Safari 4.0+ or Firefox 4.0+ on Mac OS

Supported Client Browsers for Site Visitors

- Internet Explorer 6.0+
- Firefox 1.0.5+
- Chrome 12+
- Mozilla 1.7.1+
- Netscape 7.1+
- Opera 7.52+
- Safari or Firefox on Mac OS
- Mobile browsers, such as Safari on iPhone, are supported as well, but some features may be limited by browser capabilities.

The visitor browser requirements also depend on the custom functionality used on the website.

Custom installation - basic procedure

The following procedure describes the installation of Kentico CMS in the most basic scenario for developing purposes. We expect, that you have IIS server installed and that you have access to an SQL server.

- 1. On the home page of the Installer, agree to the license terms.
- 2. Click Custom installation.



3. Check if the installation location for program files suits you (these are only setup files, not the web project).



4. Click Next.

5. Check if the installation location for your web project suits you (the default path is C:\inetpub\wwwroot\KenticoCMS7).



- 6. Leave the default installation type configuration:
 - Local IIS/IIS Express installs the web project into the local Internet Information Services server. If you do not have the IIS server installed, the tool will install its simplified version, the IIS Express, automatically.
 - .NET Framework 4.0 uses the .NET Framework version 4.0 installed on your machine. If you do not have it installed, the tool will install it automatically.
 - Web site project installs the web site project type, which is the easiest to begin with. You can read the differences between the two web project types in this article: Web Application Projects versus Web Site Projects.
- 7. Click Next.
- 8. Check I have access to the SQL server.
- 9. Select your SQL server from the list.
- 10. Choose an authentication option for your SQL server.
 - The most common is the SQL Server account, in which case fill in the user name and password.
- 11. Click Establish connection.
- 12. Type the name of a new database for your web project.



- 13. Click Next.
- 14. Leave the default configuration of components (all components included) and click Next.



15. Choose the **Corporate site** (a showcase of Kentico CMS capabilities), **E-commerce site** (a model of the Kentico e-commerce solution) and **Blank site** (to begin the development of a new website from scratch).



16. Click Install.

(i)

After the installation successfully finishes, click the Launch site button to open one of your newly installed sites in a browser.

Default logon credentials

The default user name to a newly installed web project is administrator, the default password is blank (no password).

It's highly recommended that you change the password after you finish the installation.

Installing Kentico (Q&A)

Although installing Kentico on a local machine is now unbelievably easy with the new Installer, you might still need some additional information about the choices you can make.

Most of the options in the Installer have **tooltips** available, which can help you make the right decisions during the installation process.

This topic gives advice about some of the options in the Custom installation:

When should I install only program files?

The Kentico program files contain the external utilities (Kentico Installation Manager, Kentico Service Manager, etc.) and are needed to install web projects on your computer. The installation of program files is separated from the rest, so you can install only the program files in those cases, when you do not want to install the web project, database and website at the same time. When you run the Installer again, you will not have to install the program files and you will be able to continue with installing your web project without delay.

In some cases, you will also want to uninstall the program files (e.g., when launching the live site) or move them to a different location:

- For uninstalling, use the Uninstall -> Remove only Kentico CMS program files option of the installer.
- For moving the program files, uninstall them first and then use the Custom installation -> Program files -> Install only program files option to install them again in a different location.

The option Install only program files will be available only during the first installation of Kentico or after you uninstall the program files using the Installer.

How to choose the target location?

It depends on the type of server you want to use for the development of websites:

- The Local IIS/IIS Express option is practical, because the live site will also run under IIS.
 - The **Built-in web server in Visual Studio** option is suitable for developing and debugging of your web project. It is intended for developers, who are used to working with Visual Studio web server.
 - Also, select this option if you want to install the Windows Azure project. See Installing Kentico on Windows Azure.
- Prepare for installation on a remote server option only copies the web project files into the chosen location on your local computer to prepare them for deployment to your production server over FTP. See Installing Kentico on a remote server.

If you are not sure, select the **Local IIS/IIS Express** option, because if you do not have IIS server installed, the free IIS Express version will be installed automatically for you.

When to check the Installation to the root option?

Check this option (use the website's root virtual directory for the application):

- If you want to have only one application under the website.
- If you want to set different bindings for your applications (to have your applications under different domains and IPs). You can set bindings only for websites, so you will have to use multiple websites.
- When you want to deploy your web application to a hosting server, as it might be easier to export the IIS settings this way.

Uncheck this option (create a virtual directory):

• If you want to install more applications under one website (best for developing purposes).

Concerning Kentico, there are not any differences between these two options.

You can find more information about virtual directories in this article: Understanding Sites, Applications, and Virtual Directories on IIS 7.

Which application pool mode to choose?

The application pool mode affects how the server processes requests for managed code. The default option is Integrated. We recommend using this mode, because it means that ASP.NET will be completely integrated in IIS. Using the Classic mode is not so beneficial, but it may be required by some legacy code. You can learn more about the application pools in the Managing Application Pools in IIS 7 article.

Which web project type to choose?

Each project type has certain pros and cons. You should consider them properly before creating your project, as it is quite difficult to convert one project type to another.

Please read this article to learn about the differences between the Web application project and Web site project: Web Application Projects versus Web Site Projects in Visual Studio.

To learn more about the requirements for installing Windows Azure project, see the Kentico Windows Azure deployment guide.

What if I do not install the database with my web project?

Without the database, your web project cannot function at all. If you do not install the database during the installation process, you can always install it later. You only have to access any page of your web project in a browser and you will be redirected to the database installation wizard (see Additional database installation).

If you do not have any SQL server available during the installation process, consider checking only the **Installation with database** option. In this case, the free SQL Server 2012 Express LocalDB will be installed automatically for you.

What are performance counters for Health Monitoring?

The performance counters collect information about the performance of a Kentico web project. If you let the Installer register the performance counters in Windows, you will be able to use the data they provide to determine weak spots and bottlenecks of your web project.

However, Kentico does not provide means for displaying the performance information and you will need to use an external application for this purpose (for example the Windows Performance Monitor). See the Health monitoring chapter for more information about monitoring the performance of your system.

What are Windows services for Scheduler and Health Monitoring?

You can install these two Windows services to further improve the performance of your Kentico web project:

The Health Monitoring service - some performance counters require database access for collecting values, which can slower down
the health monitoring process. By using this Windows service, you can improve the performance of the Health Monitoring module.
You can also use this service to additionally register the performance counters.

• The Scheduler service - by using this Windows service for executing scheduled tasks, you can improve the performance of the Scheduler module.

You can also install and uninstall these services separately after the installation using the Kentico Service Manager.

Can I install and uninstall modules or other components after the installation of my web project?

Yes, using the Modify option of the Installer. See Adding and removing components from an installed Kentico web project for more information.

Which sample site should I install?

If you want to evaluate the capabilities of Kentico or if you are new to the Kentico system, choose the Corporate site or the E-commerce site.

For development, you will mostly want to choose the Blank Site, which is best suited for developing websites form scratch. However, you can also install some of the preconfigured sample sites and then adjust them accordingly.

If you want to install sample sites after the installation, use the New site wizard. Keep in mind, though, that you must have the Sample site templates installed (you can add these templates additionally using the Modify option of the Installer).

Why save the XML configuration?

If you save the configuration of an installation into an XML file, you can load it the next time you need to install Kentico on a computer. You can also use the XML file to install Kentico through the command line. See the Installing Kentico from the command line topic and the Silent Install xml configuration, where you can also learn how to adjust the XML file manually.

Can i still find the Installer on my computer if I accidentally delete the Kentico_7_0.exe file?

Yes, you can find the Installer in Windows Start -> All programs -> Kentico CMS 7.0 -> Kentico Installer 7. In this version though, you cannot uninstall the Kentico CMS program files.

To run the version of Kentico Installer with all features:

- 1. Open Windows Start -> All programs -> Kentico CMS 7.0 -> Uninstall Kentico CMS 7.
- 2. Select Kentico CMS 7.0 in the Programs and Features list.
- 3. Click Change.

The Windows system opens the Kentico Installer.

Where can I find the installation log?

The path to the log is C:\Program Files (x86)\KenticoCMS\7.0\ or the location of the program files.

Where can I get more information?

You can contact our support department, which will gladly help you at support@kentico.com.

Installing Kentico on a remote server

When you want to install Kentico on a remote server, you must first determine the level of trust the ASP.NET application has on the server. This is important because the procedures for installing Kentico in these two different environments slightly vary.

Full trust environment

Installing Kentico and a new website in a full trust environment

Follow these instructions for installing Kentico on a remote server and quickly begin developing your websites remotely.

Deploying a website in a full trust environment

If you have already developed a website on your local computer, learn how to deploy it together with Kentico on a remote server.

Medium trust environment

Installing Kentico and a new website in a medium trust environment

These instructions will show you how to install Kentico on a remote server with a medium trust environment.

Deploying a website in a medium trust environment

If you have already developed a website on your local computer, learn how to deploy it together with Kentico on a remote server with a medium trust environment. This procedure is slightly different from the one in the full trust environment.

Additional configuration

Creating virtual directories and application pools in IIS 7.5 and 7.0

Learn how to create virtual directories manually in the IIS and how to configure application pools.

Installing Kentico in a full trust environment

When installing Kentico on a remote server, we expect two possible scenarios:

- You want to install Kentico on a remote server and you will develop websites there.
- You have already developed a website on your local computer and you want to move it to the remote server.

Installing Kentico and a new website in a full trust environment

If you want to install Kentico CMS on a live server (or generally on a remote server), follow these steps:

- 1. Run the Kentico Installer on your local development computer.
- 2. Check the license agreement and select the Custom installation option.
- 3. Switch to the Installation type tab.
- 4. Select the Prepare for installation on a remote server.
- 5. Choose a folder for the project files (for example, C:\Temp\KenticoCMS).
- The files will be only copied to this location.
- 6. Select the .NET Framework version of the remote server.



- 7. Click Install.
- 8. Copy the files from your local folder (C:\Temp\KenticoCMS) to the root of the website using FTP.
 If you want to use a sub-folder, create a new virtual directory.
- 9. Open a web browser and navigate to your website.
 - The Database Setup wizard starts up.
- 10. Go through the wizard and create a new Kentico CMS database on your live server.
- 11. At the end of the Database Setup Wizard, choose to create a new website.

Kentico should now be properly installed on your remote server.

Deploying a website in a full trust environment

If you want to deploy an already developed website to the remote server:

- 1. Go to Site Manager -> Sites on your development computer and click the Export site icon next to the site to be exported.
- 2. Enter the name of the export package and click OK.
- The site will be exported to the <web project>\CMSSiteUtils\Export folder.
- 3. Copy your exported package from the Export folder into the <web project>\CMSSiteUtils\Import folder.
- 4. Copy the web project folder from your local folder to the root of the website using FTP.
- If you want to use a sub-folder, create a new virtual directory.5. Open a web browser and navigate to your website.
- The Database Setup wizard starts up.
- 6. Go through the wizard and create a new Kentico CMS database on your live server.
- 7. At the end of the Database Setup Wizard, choose to import your existing Kentico CMS website (from the previously exported package).

After you have imported the site, you may need to adjust its configuration:

- Go to the Site Manager -> Sites section. Edit website properties and make sure the website domain and domain aliases are configured correctly for the production domain(s).
- 2. Go to the **Site Manager -> Settings** and make sure your site settings contain correct values, especially the **SMTP server** value in the **System -> E-mails** section.
- 3. Go to the **Sites** section. Click the **Open live site** icon next to your new site and make sure the website is displayed correctly.

Installing Kentico in a medium trust environment

We recommend that you use *Full trust* to develop your websites on. Use medium trust environments for hosting live productions only.

When installing Kentico on a remote server, we expect two possible scenarios:

- You want to install Kentico on a remote server and you will develop websites there.
- You have already developed a website on your local computer and you want to move it to the remote server.

Installing Kentico and a new website in a medium trust environment

To install Kentico on a remote server with medium trust environment, follow these steps:

- 1. Run the Kentico Installer on your local development computer.
- 2. Check the license agreement and select the Custom installation option.
- 3. Switch to the **Installation type** tab.
- 4. Select the Prepare for installation on a remote server.
- 5. Choose a folder for the project files (for example, C:\Temp\KenticoCMS).
 - The files will be only copied to this location.
- 6. Select the .NET Framework version of the remote server.

Kentico	– 🥆 X Custom installation
 Program files Installation type Components 	Target location Local IIS/IIS Express Built-in web server in Visual Studio Prepare for installation on a remote server Application pool mode:
Load XML configuration Save XML configuration	C(Temp(kenticoCMS)) Browse Your .NET Framework version .NET Framework 4.0 .NET Framework 4.5 .NET Framework 4.5 Web project type .Web site project .Web site project .Web application project .Windows Azure project .Windows Azure project
Back	Previous Next Install

- 7. Click Install.
- 8. Copy the web project files from your local folder (C:\Temp\KenticoCMS) to the root of the website using FTP.
 - If you want to use a sub-folder, create a new virtual directory.
- 9. Make sure the web.config file on your server contains the following value in the **appSettings** section (it specifies that the CMS should use the managed provider):

<add key="CMSDirectoryProviderAssembly" value="CMS.DirectoryProviderDotNet" />

- 10. Open a web browser and navigate to your website.
 - The Database Setup wizard starts up.
- 11. Go through the wizard and create a new Kentico CMS database on your live server.
 - At the end of the process, you will be asked to update your web.config file manually please follow the instructions on the screen.
- 12. At the end of the Database Setup Wizard, choose to create a new website.

Kentico should now be properly installed on your remote server with medium trust environment.

Deploying a website in a medium trust environment

If you want to deploy an already developed website to the remote server with medium trust environment:

- 1. Go to Site Manager -> Sites on your local development computer and click the Export site icon next to the site to be exported.
- 2. Enter the name of the export package and click OK.
- The site will be exported to the <web project>\CMSSiteUtils\Export folder.
- 3. Copy your exported package from the Export folder into the <web project>\CMSSiteUtils\Import folder.
- 4. Copy the web project files from your local computer to the root of the website using FTP.
 - If you want to use a sub-folder, create a new virtual directory.
 - It is recommended to grant the ASP.NET account the Modify permissions on the server disk (for instructions see Disk permissions problems).
- 5. Make sure the web.config file on your server contains the following value in the **appSettings** section (it specifies that the CMS should use the managed provider):

<add key="CMSDirectoryProviderAssembly" value="CMS.DirectoryProviderDotNet" />

- 6. Open a web browser and navigate to your website.
 - The Database Setup wizard starts up.
- 7. Go through the wizard and create a new Kentico CMS database on your live server.
 At the end of the process, you will be asked to update your web.config file manually please follow the instructions on the screen.
- 8. At the end of the Database Setup Wizard, choose to import your existing Kentico CMS website (from the previously exported package).

After you have imported the site, you may need to adjust its configuration:

- 1. Go to the **Site Manager -> Sites** section. Edit website properties and make sure the website domain and domain aliases are configured correctly for the production domain(s).
- Go to the Site Manager -> Settings and make sure your site settings contain correct values, especially the SMTP server value in the System -> E-mails section.
- 3. Go to the **Sites** section. Click the **Open live site** icon next to your new site and make sure the website is displayed correctly.

Running the website in a medium trust environment

Once you've installed the website and configured its components (only necessary for some of them), the system should work under a medium trust level properly. **Restart your IIS** in order for the configuration changes to take effect and run the website.

If your website uses any third-party components that do not support a medium trust level by default, you may need to configure the system for them. In this case, please contact their author to get the information on how to perform the configuration required to run in a medium trust environment.

Configuring components for the medium trust environment

The .NET Framework provides a batch of predefined code access security policies, categorized into several trust levels, which determine the permissions available for applications running on the given machine.

The medium trust level is often used by web hosting providers on shared servers to prevent applications from accessing certain resources that could be harmful to other websites running on the server. Kentico CMS can be used with the default medium trust policy. To run the system under medium trust, you need to follow certain rules. These components require higher than medium trust and must be considered in this situation:

Components to consider when running under medium trust environment	Configuring the components for medium trust (anchor links)
Staging module - ensures synchronization of content between production and live site servers.	Staging (MS Web Services Extensions 3.0)
Bounced e-mail monitoring - this feature of the newsletters module tracks the amount of unsuccessfully delivered e-mails.	Bounced e-mail monitoring

Staging (MS Web Services Extensions 3.0)

This section applies only if you're using the Staging module.

The **Microsoft.Web.Services3.dll** library from the Web Services Extensions 3 (WSE) package which is used by the Staging module requires Full trust permissions because of the low level operations related to the communication protocols. To ensure the proper functionality, the library needs to be registered in the Global Assembly Cache (GAC) of the server. The library is provided by Microsoft and most hosting providers pre-install it on their shared servers.

If you manage the server, please follow these steps:

1. Go to Control panel -> Administrative tools -> Microsoft .NET Framework 2.0 Configuration.

2. Select the **Assembly cache**, click on **Add an Assembly to the Assembly Cache** and select the *binWicrosoft.Web.Services3.dll* library file from your web project.

3. Delete the binWicrosoft.Web.Services3.dll file from your web project if it's present.

4. Make sure that your project web.config file contains the following item:

```
<system.web>
...
<compilation debug="false" numRecompilesBeforeAppRestart="100">
<assemblies>
...
<add assembly="Microsoft.Web.Services3, Version=3.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" />
...
</assemblies>
</compilation>
...
</system.web>
```

If you are not able to install the library to the GAC or convince your web host to do so, you may still run Kentico CMS under medium trust, but you will not be able to use the Staging module. If this is the case, you will need to manually remove some of the system components by deleting the **bin/Microsoft.Web.Services3.dll** file from your web project if it is present.

After these changes, your system will work correctly in a medium trust environment but you will not be able to use content staging operations.

Bounced e-mail monitoring

This section is only relevant if you wish to use the bounced e-mails feature of the newsletters module in a medium trust environment.

To be able to check bounced e-mails, the newsletters module makes use of a component that creates outgoing network connections using POP3, a standard email protocol for receiving maildrops from an e-mail server. This component requires the **SocketPermission** for its operation, otherwise it fails when attempting to connect to the server. This permission is denied for applications under medium trust.

If you cannot raise the trust level or create a custom security policy that includes this permission, the only solution is to attempt to convince the hosting providers to grant the SocketPermission to your application. If you are unable to do so, the bounced email monitoring feature will unfortunately not be functional in a medium trust environment.

Creating virtual directories and application pools in IIS 7.5 and 7.0

If you need to install Kentico CMS manually on a remote server or restore it from a backup and, at the same time, you run Kentico CMS in a sub-folder (in contrast to running Kentico CMS in the root of the website), you need to create a new virtual directory for the folder where you have the web project files.



Application root

The root of the website or the virtual directory must be the same as the folder that contains the *web.config* file of Kentico CMS. This folder is called **application root**.

Creating a virtual directory in IIS 7.5 and 7.0

Since IIS 7, there exists a separate concept for a virtual directory and an application.

- You can map a virtual directory to a physical directory that is located on a local or a remote computer. The physical directory (under the specified name of the virtual directory) then becomes part of the application's URL.
- An application, on the other hand, is a group of files that provides services over protocols. So if you want to run your website as http: //localhost/KenticoCMSDemo, you have to use an application instead of a virtual directory and specify KenticoCMSDemo as the application's alias.

You can find more information about virtual directories in this article: Understanding Sites, Applications, and Virtual Directories on IIS 7.

To create a virtual directory:

1. Open IIS Manager

- On Windows 7: Open Start -> Control Panel -> System and Security category -> Administrative Tools -> Internet Information Services (IIS) Manager.
- On Windows Server 2008 or Windows Vista: Open Start -> Control Panel -> System and Maintenance category -> Administrative Tools -> Internet Information Services (IIS) Manager.

2. Expand local computer -> Sites -> right-click on Default Web Site (or other website if you're running multiple websites on the same computer) and choose Add Virtual Directory...



• An Add Virtual Directory dialog appears.

3. Enter the Virtual Directory Alias. If you want the website to run as http://localhost/KenticoCMSDemo, enter alias KenticoCMSDemo.

4. Type a path or browse to the physical directory that contains the chosen directory.

A	dd Virtual Directory
	Site name: Default Web Site Path: /
	Alias:
	KenticoCMSDemo
	Example: images
	Physical path:
	C:\inetpub\wwwroot\KenticoCMS
	Pass-through authentication
	Connect as Test Settings
	OK Cancel

5. Click OK.

- The system creates a new virtual directory.
- 6. Right-click the virtual directory and choose Convert to Application.
 - An Add Application dialog appears.

7.Click Select... and choose the ASP.NET v4.0 application pool from the drop-down menu.

Add Application	2 ×
Site name: Default Web Site Path: /	
Alias:	Application pool:
KenticoCMSDemo	ASP.NET v4.0 Select
Example: sales	
Physical path:	
C:\inetpub\wwwroot\KenticoCMS	
Pass-through authentication	
Connect as Test Settings	
	OK Cancel

8. Click OK.

The system converts the virtual directory to an application.

Alternatively, you can create an application in one step by right-clicking a web site and choosing **Add Application...** and filling the required information in the **Add Application** dialog as mentioned above.

Configuring application pools in IIS 7 and IIS 7.5

Application Pools provide you with additional level of website management. They are supported only by Windows Server 2003/2008/Vista/7. You can configure them in the Internet Information Services (IIS) Manager under local computer -> Application Pools.

Connections	Application Pools This page lets you view and manage the or more applications, and provide isolatio	list of application among di	ation pools on fferent applica	the server. Applicati	ion pools are associated with w	orker processes, contain one
Default Web Site	Filter: • 🔐 Go 👻	Show AI	Group by:	No Grouping	•	
	Name	Status	.NET Fram	Managed Pipel	Identity	Applications
	ASP.NET v4.0	Started	v4.0	Integrated	ApplicationPoolIdentity	1
	@ ASP.NET v4.0 Classic	Started	v4.0	Classic	ApplicationPoolIdentity	0
	Classic .NET AppPool	Started	v2.0	Classic	ApplicationPoolIdentity	0
	DefaultAppPool	Started	v2.0	Integrated	ApplicationPoolIdentity	2
	KenticoCMS_JanaP_4601.9321	Started	v2.0	Integrated	NetworkService	1
	KenticoCMS_JanaP_4611.9267	Started	v2.0	Integrated	NetworkService	1
	KenticoCMS_KenticoCMS	Started	v4.0	Integrated	NetworkService	1
	KenticoCMS_KenticoCMS_1	Started	v4.0	Integrated	NetworkService	0
	KenticoCMS_KenticoCMS_2	Started	∨4.0	Integrated	NetworkService	1

You can check and change the assigned application pool by right-clicking an application under **local computer -> Sites -> Default Web Site** (or other web site) and selecting **Manage Application -> Advanced Settings...**

Adva	nced Settings	? <mark>×</mark>
Ξ	(General)	
	Application Pool	ASP.NET v4.0
	Physical Path	C:\inetpub\wwwroot\KenticoCMS
	Physical Path Credentials	
	Physical Path Credentials Logon 1	ClearText
	Virtual Path	/KenticoCMSDemo
Ξ	Behavior	
	Enabled Protocols	http
	nalization Dani	
[a ap	pplicationPool] Configures this ap oplication pool.	plication to run in the specified
		OK Cancel

You can set the Recycling and other options by right-clicking on an application pool under **local computer -> Application Pools** and selecting **Advanced Settings...**.

Adva	anced Settings	B	_X_
	(General)		_
	.NET Framework Version	v4.0	
	Enable 32-Bit Applications	False	
	Managed Pipeline Mode	Integrated	
	Name	ASP.NET v4.0	Ξ
	Queue Length	1000	
	Start Automatically	True	
	CPU		
	Limit	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	
	Processor Affinity Mask	4294967295	
	Process Model		
	Identity	ApplicationPoolIdentity	
	Idle Time-out (minutes)	20	
	Load User Profile	True	
	Maximum Worker Processes	1	
	Ping Enabled	True	Ŧ
N [1 a	lame name] The application pool name pplication pool.	is the unique identifier for the	
		OK Cance	!

Recommended Application Pool Configuration

- It's highly recommended that you run Kentico CMS in a separate application pool. If you share the pool with other websites, the system may behave unpredictably.
- We do not recommend to run multiple websites in a single pool.
- It's recommended that you specify some value in the Recycle worker processes on the Recycling tab. This value shouldn't be too short (less than 60 minutes) or too long (more than 1440 minutes/1 day). Setting this value ensures that the memory is recycled and the application is automatically recovered from failures by regular restart. If your website freezes time to time, you can temporarily set the value to 30 minutes to ensure that the website is restarted automatically. Short intervals may lead to high server load and slow response since after each recycling, the application needs to be restarted and data reloaded to the cache.
- It's recommended that you do not limit the maximum virtual or used memory. If you need to use some value, use at least 100 MB. If your website is being restarted too often, it may be caused by low maximum memory limit. You can check the frequency of application restarts in Kentico CMS Event Log (Site Manager -> Administration -> Event log).
- The Maximum number of worker processes on the Performance tab must be set to 1. If you set a higher value, the worker processes will not be synchronized and Kentico CMS website will not work correctly. This may lead to unexpected caching of content and system objects.
- You can configure the **user account** under which the application runs on the **Identity** tab. This information is useful if you need to troubleshoot issues with **permissions**, such as disk write permissions.
- Kentico CMS does not support Web garden. Therefore, the Maximum number of worker processes has to be set to 1.

Installing Kentico on Windows Azure

If you want to install Kentico on a Windows Azure server, you must first install Kentico on your local computer:

- 1. Run the Kentico Installer on your **local** development computer.
- 2. Check the license agreement and select the Custom installation option.
- 3. Switch to the **Installation type** tab.
- 4. Select the Built-in web server in Visual Studio.
- 5. Choose a folder for the project files (for example, C:\Temp\KenticoCMS).
- The files will be only copied to this location.
- 6. Select the .NET Framework 4.0 if you want to open your project in Visual Studio 2010 after the installation OR select the .NET Framework 4.5 if you want to open your project in Visual Studio 2012.

Kentico CMS 7 uses Azure SDK 1.7 which is currently not available for .NET Framework 4.5. Therefore, Kentico for Windows Azure will always be installed with target .NET Framework 4.0.

7. Select the Windows Azure project as a Web project type.



8. Click Install.

The Installer copies the project files into the specified folder. After the installation is finished, click the **Open project** button to open the web project in Visual Studio.

Please proceed with the instructions in the Kentico CMS 7 Windows Azure Deployment Guide (everything else, including the database installation, remains the same as it was in the old installer).

Additional database installation

If you chose not to install the database during the installation process, you can install it later. You only have to access any page of your web project in a browser and you will be redirected to the database installation wizard.

Step 1 - SQL Server and Authentication Mode

Specify the SQL Server and authentication mode used to access the server:

- SQL Server name or IP address enter the name of the server. You will typically use one of these:
 - the name of the server (such as DBSERVER1)
 - the IP address of the server (such as 192.168.1.105)
 - (local)<SERVERNAME>\sqlexpress (if you're using Microsoft SQL Server Express Edition)
- Use SQL Server account use this option if your server is configured for SQL Server Authentication with SQL logins.
- Use integrated Windows authentication (ASP.NET account) use this option if your SQL Server is configured for Windows
 integrated authentication. In this case, you need to use SQL Server 2005/2008/2012 Management Studio to create a new login for
 user account under which you currently run the web application (for example, the NT AUTHORITY\NETWORK SERVICE for
 Windows 7 the actual ASP.NET account name is displayed on the screen).



Click Next.

Step 2 - Database Instance

Now you can decide if you want to use an **existing database** or **create a new database**. In both cases, you need to enter the name of the database into the appropriate field.

In case you are using an existing database, you can choose if you want to Create Kentico CMS database objects.

- If the existing database already contains Kentico CMS objects (tables, stored procedures, views), then uncheck the box.
- If the database does not contain these objects (typically when you are installing into an empty database), leave the option enabled.

		Step 2	- Database Ins	tance		e
it	SQL Settings	Database	→ Starter Site	→	Finish	;ite p
	Database					?S
	Create a new of the second	latabase				os
	New database	name: Kenti	coCMS			
	O Use an existing	g database				
	Existing databa	ase name:				1
n	Create Ken	tico CMS databa	se objects			
						ik
In						
	?			< Back	Next >	
C	Do you need help with inst	allation? Please con	tact our <u>support</u> .		Version: 7.0 Build: 7.	.0.4611

Step 3 - Database Collation

When using an existing database, you may also come across the following dialog. It is displayed if the database collation is different from SQ L_Latin1_General_CP1_CI_AS. The dialog lets you choose if you want to change the collation or leave the original one.

For correct functionality, it is highly recommended to change it to the recommended value.

Grimmice G	recosite possio	intres		
	Step 3 - D)atabase Co	llation	
SQL Settings	Database	→ Starter Site	→ (Finish
The collation of exi issues. It is recomr SQL_Latin1_Gene	sting database is no nended to change t ral_CP1_CI_AS.	ot fully supported he database coll	l and could caus ation to	e unexpected
Change databa	ase collation to 'SQL	_Latin1_Genera	al_CP1_CI_AS'	
Ceave current of the second	collation 'Czech_CS	3_AI'		
?			< Back	Next >
Do you need help with insta	Illation? Please contac	t our <u>support</u> .	Ve	rsion: 7.0 Build: 7.0.461

Step 4 - Database Creation Log

The installer will display a log, showing the progress of database creation.

		Step 4 - Da	tabase Creation	Log		e
nit	SQL Settings	Database	→ Starter Site	→		site
	Creating database of	jects	ounter one			25
n	data/cms_metafil data/cms_metafil data/analytics_ind data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re data/reporting_re	e_1 e_0 dex portvalue porttable_4 porttable_3 porttable_2 porttable_1 porttable_0 portgraph_9 portgraph_8 portgraph_7 portgraph_6 portgraph_5			(II)	os C ib
ın	data/reporting re	portgraph 4			-	
				< Back	Next >	
	Do you need help with insta	Illation? Please contact	ct our <u>support</u> .	Version:	7.0 Build: 7.0.46	611

Step 5 - License Key

If you run Kentico CMS on a domain other than *localhost* or 127.0.0.x (where x is between 1 and 255), you will be asked to insert a license key. Since the trial version works only with *http://localhost* and *http://l27.0.0.x* (where x is between 1 and 255), the same dialog is displayed if your trial period has expired.

Enter a valid license key and click the **Next** button.

unimitted website possibilities	
Step 5 - License Key	e
SQL Settings	site
Your trial license key has expired, please enter a valid license key for domain: localhost Tip: If you need a temporary license key for this domain, please write to <u>support@kentico.com</u> and ask	es:
for a trial key for the following domain name: localhost	D'S
Please enter the key:	
Skip this dialog	ik
? Next >	
Do you need help with installation? Please contact our support. Version: 7.0 Build: 7.0.461	1

Alternatively, you can skip this dialog by clicking **Skip this dialog** link at the bottom left part of the dialog and continue to the New site wizard . You can enter a license key later under **Site Manager -> Licenses**. See License management for more information.

Step 6 - Starter Site

The installer offers you the following options:

- Choose a starter site:
 - Corporate Site this option installs the sample corporate site it is recommended for most users, especially for evaluators.
 - Blank site this is a blank site without any content; you will use it to create a new site from scratch.
 - Blank site ASPX the same as above, but for ASPX page templates.
 - and others
- Continue to the New site wizard this option is recommended if you're starting a new site from scratch; learn more in the New site wizard chapter.
- Import existing Kentico CMS website use this option if you have already created a website with Kentico CMS and you need to import it into a new installation (e.g., on the production server).

If you're new to Kentico CMS, it's highly recommended that you start with the sample Corporate Site (portal engine).

	uniimited website possibilities	
	Step 6 - Starter Site	e
nit	$ \blacksquare \rightarrow \blacksquare \rightarrow \rightarrow \rightarrow \rightarrow $	site
	SQL Settings Database Starter Site Finish	
	Choose starter site	55
	Corporate Site This is a web template for a general corporate site. It's used as a showcase of Kentico CMS capabilities and it can be used as a starting site that you modify as needed. It uses the portal engine and it's the recommended choice for developers who are new to Kentico CMS.	
n	E-commerce Site This is a ready-to-use web template for your on-line store. It's also used as a showcase of <u>Kentico E-commerce Solution</u> capabilities. Replace its sample data with your own and start your on-line business without any development or modify the template to match your specific requirements. It's the suitable	
	 Continue to the New site wizard 	
JN	Import existing Kentico CMS website	
	? Next >	
	Do you need help with installation? Please contact our <u>support</u> . Version: 7.0 Build: 7.	0.4611

Step 7 - Starter Site Creation Log

The installer displays a log showing the progress of website creation.



Step 8 - Finished

Once the website is created, the installer displays a confirmation and you can follow the link to access the new live website.

This is the final step of the necessary installation procedure. You can now begin with managing the website content.

u	niimited w	eosite possit	onnues			
	Step 8 - Finished					
			→ 🍪	→ 📀	ite (
SQL Settin	igs	Database	Starter Site	Finish		
					<u></u> ?S	
					0.5	
		The site has	been created successfu	illy.		
		Continu	e to the new website			
					- Cal	
n						
Do you pood	holp with installe	tion? Ploace conta	ct our cupport	Vorsion: 7-0 P	uild: 7.0.4614	
Do you need l	help with installa	tion? Please conta	ct our <u>support</u> .	Version: 7.0 B	uild: 7.0.4611	
Default	logon creden	tials				
The defa	ult user name	is administrato	r, the default password	is blank (no passwo	ord).	

It's highly recommended that you change the password after you finish the installation.

Adding and removing components from an installed Kentico web project

After you have installed Kentico CMS web project using the Quick installation or the Custom installation, you can additionally modify its components using the Installer. You can add components which you did not install or you can remove components which you no longer need.

Adding and removing components after the installation

- 1. Run the Installer from Windows Start -> All programs -> Kentico CMS 7.0 -> Kentico Installer 7.
- 2. On the home page of the Installer, click Modify.



- 3. Select the web project you want to modify.
 Either select an already registered project from the list or select any other folder containing a web project of Kentico CMS 7.0 version using the Select another button.

Kentico Modify	_ ? X
Select web project	
Name	Registration •
KenticoCMS7_4878.17798 URL: http://localhost/KenticoCMS7_4878.17798/default.asp Location: C:\inetpub\www.root\KenticoCMS7_4878.17798	5/10/2013
KenticoCMS7_4870.29425 URL: http://localhost/KenticoCMS7_4870.29425/ Location: C:\Temp\KenticoCMS7_4870.29425	5/3/2013
KenticoCMS7_4784.181 URL: http://localhost/KenticoCMS7_4784.181/ Location: c:\Inetpub\wwwroot\KenticoCMS7_4784.181	2/5/2013
Select another	
Back	

- 4. Check the components you want to install and uncheck the components you want to uninstall.
- 5. Check Do not overwrite installed modules.

• If you have already modified the installed modules of your web project, this option ensures that they will not be overwritten.



You can find more information about the Register performance counters for Health Monitoring and Install Windows services for Scheduler and Health Monitoring options in the Installing Kentico (Q&A) topic.

6. Click Apply changes.

The Installer now installs and uninstalls components according to your specification.

You can check the file containing the registered web projects at C:\ProgramData\KIM\kim.xml.

Installing Kentico from the command line

You can install Kentico CMS from the command line without any user interface and user interaction involved using the **Silent Install** tool. This tool also allows you to modify an existing installation and add or remove components contained in this installation. You only need to prepare a configuration XML file and execute a command from the command line with this XML file as a parameter.

The main purpose of the tool is the possibility of automated installation and modification of Kentico CMS.

Silent Install is capable of substituting the whole procedure including the installation of:

- the program files,
- · new web project and IIS configuration,
- new database on your SQL server,
- · sample websites based on available web templates.

The new Kentico Installer now substitutes the Silent Install tool. If you are looking for the Silent Install tool (for Kentico CMS 7.0 version before 5/2013), see the Kentico CMS 7.0 documentation for more information.

Silent installation procedure

- 1. Create a configuration XML file. You have these options:
 - You can create an XML file during the custom installation process using the **Save XML configuration** link. This way, you can comfortably set all the options you need in the Installer UI and the XML file will be generated automatically for you.



- You can download a package from http://www.kentico.com/downloads/SilentInstallSampleXML_7_0.zip with sample XML files and edit one of them to suit your needs.
 - This package also contains the SilentInstall.xsd file, which is an XML schema file defining the configuration XML file format. You can use it to validate the XML configuration file you have created. You can find a reference on the required format of the configuration XML file in the Silent Install xml configuration to pic.
- 2. Copy the XML file to the folder containing Kentico CMS Installer (KenticoCMS<version>.exe).
- 3. Execute a command with the Kentico<version>.exe <configuration XML file name>.xml syntax in the folder:

Kentico_7_0.exe CorporateSite.xml

The installation will be executed and carried out according to the configuration in the XML file.

A The log file

If the Silent Installation crashes without explanation, try searching for the log file in the default locations: C:\Program Files (x86)\KenticoCMS\7.0\ or the Installer folder.

Silent Install xml configuration

This topic provides reference on the format of the XML file used as a source of the Silent install configuration.

You can create the XML file from scratch, during the installation procedure or you can download a package of sample files and adjust one of them.

The package also contains the *SilentInstall.xsd* file, which is an XML schema file defining the configuration XML file format. You can use it to validate the XML configuration file you have created.

① The configuration listed on this page is not compatible with the previously used Silent Install tool. It is intended to be used only with the Kentico Installer.

Boolean attribute values

You can enter the boolean attribute values in these ways:

True value	False value	Usability
true	false	currently used
Yes	No	obsolete
1	0	obsolete

All of these values are recognized as the respective boolean values at the moment. Keep in mind though, that in future versions, we will gradually stop supporting the *No/Yes* and *1/0* values.

You can use macros in the following XML attributes to get the respective values dynamically:

- SilentInstall -> LogFile
- Setup -> SetupFolder
 IIS -> TargetFolder
- SQL -> Database

Macro expression	Description	Sample resolved value
{%shortversion%}	Build number of the installed Kentico CMS version.	4709.166
{%longversion%}	Full version number of the installed Kentico CMS version.	7.0.4709.166
{%programfiles%}	Path to the <i>Program Files</i> folder on your local drive.	c:\Program Files (x86)\
{%machine%}	Name of the current machine.	PC01
{%username%}	User name of the currently used account.	Andy
{%date%}	Current date in format yyyy-mm-dd.	2012-12-21
{%time%}	Current time in format hh:mm:ss.	14:53:23

Note that these macros are completely independent of standard Kentico CMS macros that can be used in the system's user interface.

SilentInstall XML element

The root element of the XML file is SilentInstall. Using the attributes of this element, you can configure general options of the installation:

Attribute name	Description	Accepted values	Required?
ShowProgress	 Determines if the Silent Install tool displays the progress of the installation or not. No - the progress is not shown. CommandPrompt - the progress is shown in the command line. 	No CommandPrompt	Yes
Log	Enables logging of import progress to a file.	true false	Yes
OnError	Determines the action the tool performs when an error occurs during the installation.	Stop Continue	Yes
LogFile	File where the log is saved. The default value is <i><installation< i=""> <i>path>\setup.log</i>.</installation<></i>	full path to a file	Yes
CheckRequirements	Indicates, if the tool checks whether the correct .NET version is installed on the target machine before executing the installation. If the installed .NET version is not matching, the installation is aborted.	true false	No

Setup XML element

The first sub-element that should be present under SilentInstall is Setup. This element allows you to configure the general options by means of attributes:

Attribute name	Description	Accepted values	Required?
NET	.NET version installed on the target machine.	4.0 4.5	Yes
SetupFolder	Folder where the tool installs the Kentico CMS setup files (not the web project).	full path to a folder	Yes

InstallContextHelp	Indicates, if Context help (built-in documentation accessible by clicking the icon throughout the user interface) is installed with the project.	true false	Yes
Location	 Determines where will the tool install the web files: Local - on a local IIS server. VisualStudio - on a build-in server which is included in Visual Studio or Visual Web Developer Express Edition. Remote - copies the files into a temporary folder on your disk. You will need to copy these files to your production server. Modify - modifies an existing installation (adds or removes components) on a local machine. See Installing Kentico (Q&A) for more details. 	Local VisualStudio Remote Modify	Yes
WebProject	Determines if the project is installed as an ASP.NET web site, ASP.NET web application, or as a Windows Azure project.	WebSite WebApplication WindowsAzure	No
OpenAfterInstall	Indicates, if the tool opens the newly installed website in a new browser window when the installation finishes.	true false	No
RegisterCounters	Indicates, if performance counters for Health Monitoring should be registered. This option has the same functionality as the Register performance counters for Health Monitoring option in Step 4 of Kentico CMS Web Installer.	true false	Νο
InstallWinServices	Indicates, if the tool installs Kentico CMS Windows services in Windows.	true false	No
DeleteExisting	Indicates, if the the tool deletes the existing setup files in a folder with the same name as set in the SetupFolder attribute.	true false	No
KillRunningProcesses	If the tool deletes existing setup files, this parameter indicates, if it can also kill already running processes related to these files.	true false	No
InstallOnlyProgramFiles	Indicates, if only the program files should be installed. This option ignores all other settings.	true false	No
DoNotOverwriteInstallation	If set to false , then the files of the existing installation will be overwritten. The default value is <i>true</i> (do not overwrite).	true false	No

IIS XML element

The I/S sub-element is also located directly under SilentInstall. Its attributes allow you to adjust IIS-related settings of the installation:

Attribute name	Description	Accepted values	Required?	
----------------	-------------	-----------------	-----------	--

AppPool	 Type of IIS application pool which the new website will use. Native - the application pool uses the mode that is default in the installed IIS version (<i>Classic</i> for IIS versions prior to 7 and <i>Inte grated</i> for IIS 7 and higher). 	Native Classic Integrated	No
WebSite	Name of the website in IIS.	string value	Yes
TargetFolder	Path to the folder where IIS websites are stored (typically <i>C: \Inetpub\wwwroot\</i>).	full path to a folder	Yes
RootFolder	 Indicates, if the tool installs the website into the IIS root. true - the website is installed into the IIS root and no virtual directory is created. false - the website is installed into a new virtual directory. 	true false	Yes
DeleteExisting	 Indicates, if the the tool deletes an existing website with the same name as set in the <i>WebSi</i> te attribute. GetUnique - if a website with the same name exists, the tool will not delete it and it will create a new website folder with a similar name. 	true false GetUnique	No
KillRunningProcesses	If the tool deletes existing websites, this parameter indicates, if it can also kill already running processes related to these files.	true false	No
AllowISAPIAndCGI	Indicates, if the tool should install ISAPI and CGI restrictions in IIS, which are necessary to run a web application in the Classic application pool mode.	true false	No

SQL XML element

The SQL sub-element of the SilentInstall element allows you to configure database-related settings of the installation. This element is not required and if you do not include it in your XML file, the database will not be installed.

Attribute name	Description	Accepted values	Required?
InstallDatabase	Indicates, if the tool will install the database. If you do not install the database, you will not be able to install sample sites (<i>WebSites</i> element).	true false	No
Database	Name of the target database.	string value	No
SqlName	User name of the account used for access to the SQL server.	string value	No
SqlPswd	Password for the SQL server account.	string value	No
Server	Name of the target SQL server.	string value	No

Operation	Determines whether the tool creates a new database or modifies an existing one. The default value is New .	New Modify	No
Authentication	Type of the authentication used to access the SQL server.	SQL Windows	No
DeleteExisting	 Indicates, if the tool deletes an existing database with the same name as set in the <i>Datab</i> ase attribute. GetUnique - if a database with the same name exists, the tool will not delete it and it will create a new database with a similar name. 	true false GetUnique	No
Schema	Our default database schema is <i>dbo</i> . If you have a different schema on your SQL server (e.g., db_owner), specify it here, so that the installation tool can make adjustments to the database.	string value	No

Notification XML element

The Notification sub-element allows you to configure the automatic notification e-mail messages. The system sends them to the specified e-mail address when an error occurs during the installation.

Attribute name	Description	Accepted values	Required?
Enabled	Indicates, if the tool sends notification e-mails when an error occurs during the installation.	true false	Yes
From	E-mail address of the sender of the notification e-mail. This value is required in the <i>Notificati</i> <i>on</i> element.	e-mail address	Yes
То	E-mail address of the recipient of the notification e-mail. This value is required in the <i>Notificati</i> <i>on</i> element.	e-mail address (or multiple addresses separated by a semicolon (;))	Yes
Server	Name of the SMTP server used to send out the notification e-mail.	string value	Yes
Subject	Subject of the notification e-mail message.	string value	Yes
UserName	User name of the SMTP server account used to send out the notification e-mail.	string value	No
Password	Password for the SMTP server account used to send out the notification e-mail.	string value	No
SSL	Indicates, if SSL is used when sending the notification e-mail.	true false	No
AttachLogFile	Indicates, if the tool includes a compressed installation log file as an attachment.	true false	No

WebTemplates, UICultures, Modules and Dictionaries XML elements

The WebTemplates, UICultures, Modules and Dictionaries elements allow you to configure which web templates, UI cultures, modules and dictionaries will be installed by the tool. If you chose to modify an existing Kentico CMS installation (by specifying the Modify value for the Loc ation attribute), you can also use these elements to add new components to the existing installation or to remove unwanted components.

Each of these elements only has a single attribute:

Attribute name	Description	Accepted values	Required?
type	 InstallAll - the tool adds all components of the type to the installation. However, you can limit added components in the sub-elements by specifying <i>No</i> or <i>Remove</i> in their <i>oper ation</i> attribute. RemoveAll - the tool removes all components of the type from the installation. However, you can limit removed components in the sub-elements by specifying <i>No</i> or <i>Add</i> in their <i>operation n</i> attribute. Mix - only configuration in the <i>operation</i> attribute of the sub-elements will be taken into account. 	Mix InstallAll RemoveAll	Yes

Each of the WebTemplates, UICultures, Modules and Dictionaries elements can have any number of sub-elements named WebTemplate, UI Culture, Module or Dictionary. These sub-elements represent particular web templates, UI cultures, modules or dictionaries and have the following attributes:

Attribute name	Description	Accepted values	Required?
name	Name of the web template, UI culture, module or dictionary.	string value	Yes
operation	 The operation that should be performed with the component: Add - the component is added to the installation. Remove - the component is removed from the installation. No - no action is taken. 	Add Remove No	Yes

WebSites XML element

The WebSites element lets you configure which websites will be installed based on available web templates. It has no attributes itself — it only contains WebSite sub-elements representing particular websites to be installed. Each WebSite sub-element has the following attributes:

Attribute name	Description	Accepted values	Required?
domain	Domain used by the website.	string value	Yes
displayname	Name of the website used in Kentico CMS user interface.	string value	Yes
codename	Name of the website used in code.	string value	Yes
webtemplatename	Code name of the chosen web template.	available web template code name	Yes
runsite	Indicates, if the tool should run the website after it is imported to the system.	true false	No
rebuildsearchindexes	Indicates, if the search indexes should be rebuilt after installing the website.	true false	No

Licenses XML element

You can add any number of License sub-elements under the Licenses element. These sub-elements represent particular licenses for

separate domains. You should state the domain in the *domain* attribute and add the actual key as a sub-element wrapped in a CDATA enclosure.

Example

Here you can find an example of the configuration file. It installs Kentico CMS 7.0 with the sample Corporate site website and all the available web templates, UI cultures, modules and dictionaries.

```
<SilentInstall ShowProgress="CommandPrompt" Log="true" OnError="Stop"</pre>
LogFile="{%programfiles%}\KenticoCMS\7.0\setup.log">
  <Setup NET="4.5" SetupFolder="{%programfiles%}\KenticoCMS\7.0"</pre>
InstallContextHelp="true" OpenAfterInstall="true" Location="Local" />
  <IIS AppPool="Native" Website="Default Web Site"
TargetFolder="c:\Inetpub\wwwroot\KenticoCMSCorporateSite70" RootFolder="false" />
  <Sql InstallDatabase="true" DeleteExisting="false" Server="Artemis"
Authentication="SQL" SqlName="login" SqlPswd="password"
Database="KenticoCMSCorporateSite70" Operation="New" />
  <WebTemplates type="InstallAll">
  </WebTemplates>
  <UICultures type="InstallAll">
  </UICultures>
  <Modules type="InstallAll">
  </Modules>
  <Dictionaries type="InstallAll">
  </Dictionaries>
  <WebSites>
    <WebSite domain="localhost" displayname="Corporate site"
codename="CorporateSite" webtemplatename="CorporateSite" />
  </WebSites>
  <Licenses>
    <License domain="localhost"><![CDATA[DOMAIN:localhost
PRODUCT:CF07
EXPIRATION:0000000
PACKAGES:
SERVERS:1
p8NrcXDSRiiEdH6Paef6MFISFY4Mihhwz9E+75fDKp1srPgxhTxEoLt0P2XXMkmCRSwhQk85/zjp017iCUI
pwHhfgNQv/83ILVx3bIAEIZReY2Grs4Lah5jHSLlq3RUCX6d5ZL2Q2lxhKckPxMWjVhBlvDKLMttek+56QZ
mMp8oQlEMlqGYCIV+HMgD660b5ukdKYKvCw0Zcd2nhi+7W2KqJcWCRtRVxIY/Xi69ZgpT/Mae/8cxEfxZ+x
zfw0Tn81Qf5vxVUkfG5UwVdmBQ1NFMqA6OTvx60kkRjGkUFNbsJVogsJ+WdMXr/MNhHx+qFAuMLdCOL13h4
WMr/y8M+yA==]]></License>
  </Licenses>
</SilentInstall>
```

Uninstalling Kentico

If you need to uninstall Kentico from your computer, you can use the three options provided in the Installer.

Kentico Uninstall	_ ? X
 Remove only Kentico CMS 7 program files Program files will be deleted, but web projects and websites will launching a live site. Remove Kentico CMS 7 from my computer Program files, database and all registered web projects with web 	remain. Typically, in case of psites will be removed.
 Remove one or more registered web projects (for adva Select web projects, which will be uninstalled: 	inced users)
Name	Registration v
KenticoCMS7_4878.17798 URL: http://localhost/KenticoCMS7_4878.17798/default.asp Location: C:\inetpub\wwwroot\KenticoCMS7_4878.17798	5/10/2013 Database Files and IIS configuration
KenticoCMS7_4870.29425 URL: http://localhost/KenticoCMS7_4870.29425/ Location: C:\Temp\KenticoCMS7_4870.29425	5/3/2013 Database Files and IIS configuration
Back	Uninstall

Uninstalling everything related to Kentico

To remove Kentico after your evaluation of the system, choose the Remove Kentico CMS 7 from my computer option. This option will NOT uninstall .NET Framework, IIS or SQL server.

- 1. Select Windows Start -> All programs -> Kentico CMS 7.0 -> Uninstall Kentico CMS 7.0.
- 2. Select Kentico CMS 7.0 in the Programs and Features list.

Control Panel Home	Uninstall or change a program				
View installed updates	To uninstall a program, select it from the list and then	click Uninstall, Change, or Rep	air.		
Turn Windows features on or					
off	Organize 🔻 Uninstall Change				
Install a program from the network	Name	Publisher	Installed On	Size	Version
	📰 IIS 8.0 Express	Microsoft Corporation	22.10.2012	34,9 MB	8.0.1557
	IIS Express Application Compatibility Database for x64		22.10.2012		
	IIS Express Application Compatibility Database for x86		22.10.2012		
	BIntel(R) Network Connections Drivers	Intel	13.7.2012	916 KB	16.8
	🔁 Intel® Rapid Storage Technology	Intel Corporation	13.7.2012	18,4 MB	11.0.0.1032
	3 Intel® USB 3.0 eXtensible Host Controller Driver	Intel Corporation	13.7.2012	18,4 MB	1.0.4.220
	Kentico CMS 6.0 SP1	Kentico Software	23.11.2012	349 MB	
	* Kentico CMS 7.0	Kentico software s.r.o.	10.5.2013	352 MB	7.0.4878
	Kentico CMS Visual Studio Templates	Kentico software s.r.o.	14.1.2013	1,69 MB	
	Microsoft .NET Framework 4 Multi-Targeting Pack	Microsoft Corporation	22.10.2012	83,5 MB	4.0.30319
	Microsoft .NET Framework 4.5	Microsoft Corporation	22.10.2012	38,8 MB	4.5.50709
	Microsoft .NET Framework 4.5 Multi-Targeting Pack	Microsoft Corporation	22.10.2012	41,8 MB	4.5.50709
	Microsoft .NET Framework 4.5 SDK	Microsoft Corporation	22.10.2012	18,5 MB	4.5.50709
	Microsoft ASP.NET MVC 2	Microsoft Corporation	11.7.2012	482 KB	2.0.50217.0
	Hicrosoft ASP.NET MVC 2 - VWD Express 2010 Tools	Microsoft Corporation	11.7.2012	2,23 MB	2.0.50217.0

- 3. Click Uninstall.
- Select Remove Kentico CMS 8 from my computer.
 Click Uninstall.

Uninstalling only the Kentico CMS program files

There may be a few cases, when you will want to remove only the Kentico program files (the files needed to install the web projects). For

example, when you want to move the program files to a different hard drive or when you want to launch a live site and you no longer need the program files on your server. For this purpose, choose the **Remove only Kentico CMS program files** option.

Uninstalling the program files will also remove external utilities, like Kentico Installation Manager or Kentico Import Toolkit.

- 1. Select Windows Start -> All programs -> Kentico CMS 7.0 -> Uninstall Kentico CMS 7.0.
- 2. Select Kentico CMS 7.0 in the Programs and Features list.
- 3. Click Uninstall.
- 4. Select Remove only Kentico CMS 8 program files.
- 5. Click Uninstall.

Uninstalling individual web projects (instances)

If you have installed multiple web projects (instances) and you want to remove only some of them, use the **Remove one or more registered** web projects option. Using this approach, you can also choose to remove only the web project files and keep the database for further use.

- 1. Run the Installer from Windows Start -> All programs -> Kentico CMS 7.0 -> Kentico Installer 7.0.
- 2. On the Home page of the Installer select Uninstall.
- 3. Select the instances you want to remove.
- 4. Click Uninstall.

For managing individual web projects you can also use the Kentico Installation Manager utility.