This page provides a reference and specification for the XML files used as a configuration source by the [command line installation](#).

You can create the XML file from scratch or during the installation procedure using the **Save XML configuration** link.

Attribute values

When entering the values of **boolean** attributes, always use *"true"* or *"false"*. Other types of values are not supported

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
{%productversion%}	Kentico version number according to [Semantic Versioning](#).	11.0.0-alpha
{%fileversion%}	Full version number of the installed Kentico version.	11.0.5191.17572
{%programfiles%}	Path to the *Program Files* 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*.	2015-01-21
{%time%}	Current time in format *hh-mm-ss*.	14-53-23

Note that these macros are completely unrelated to the standard Kentico macros that can be used in the system's administration interface.

XML elements

SilentInstall

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 *<installation path>\setup.log*.	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

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

Attribute name	Description	Accepted values	Required?
NET	Sets the .NET version of the installed project.	4.6 | 4.7	Yes
SetupFolder	Folder where the tool installs the Kentico setup files (not the web project).	full path to a folder	Yes
Location	Determines where will the tool install the web files: • **Local** - on a local IIS server. • **VisualStudio** - on a built-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 Microsoft Azure (Cloud services) project.	WebSite | WebApplication | WindowsAzure	No
OpenAfterInstall	Determines if the tool opens the newly installed website in a new browser window when the installation finishes.	true | false	No
RegisterCounters	Determines if the installation registers performance counters for Health Monitoring.	true | false	No
InstallWinServices	Determines if the tool installs Kentico Windows services in Windows.	true | false	No
RegisterApplicationToEventLog	Determines if the tool registers the Kentico application in the Windows Event Log.	true | false	No
DeleteExisting	Determines 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	Determines if only the program files are 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 *true* (do not overwrite).	true | false	No

		true | false	No
EnableModule UsageTracking	Determines whether the installed instance has the Kentico improvement program enabled (sending of data about the system's usage to Kentico). You can stop the sending of data at any time for installed instances in the administration interface through the **Settings -> System -> Send anonymous usage records to Kentico** setting.	true | false	No

IIS

The *IIS* 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?
Website	The name of the web site in IIS. The web site must exist in IIS before running the installation.	string value	Yes
TargetFolder	Path to the folder where the web project is created and mapped in IIS. For example: *C:\inetpub\wwwroot\Kentico_{%productversion%}*	full path to a folder	Yes
DeleteExisting	Determines if the tool deletes an existing IIS web site and project folder before the installation (as specified by the *Website* and *TargetFolder* attributes). If you set the **GetUnique** value, the tool does not delete existing sites, but instead creates a new folder and web site 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

Sql

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.

Note: The letter case in the element name must be exact (lower case "q" and "l").

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 (*WebSites* 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 *Database* attribute. If you set the **GetUnique** value, the tool does not delete existing database, but instead creates a new database with a similar name.	true | false | GetUnique	No

Schema	The default database schema is *dbo*. 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
Collation	Sets the collation used by the installed database. We recommend leaving the default collation – *Latin1_General_CI_AS*.	string value	No

Notification

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 *Notification* element.	e-mail address	Yes
To	E-mail address of the recipient of the notification e-mail. This value is required in the *Notification* 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

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 installation (by specifying the *Modify* value for the *Location* 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 *No* or *Remove* in their *operation* 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 *No* or *Add* in their *operation* attribute. • **Mix** - only configuration in the *operation* 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*, *UICulture*, *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

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 user interface.	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

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. The file configures installation of Kentico with the sample Corporate site website and all the available web templates, UI cultures, modules and dictionaries.

```xml
<SilentInstall ShowProgress="CommandPrompt" Log="true" OnError="Stop" LogFile="{%
programfiles%}\Kentico\11.0\setup.log" CheckRequirements="False" >
        <Setup NET="4.6" SetupFolder="{%programfiles%}\Kentico\11.0" Location="Local"
InstallOnlyProgramFiles="False" OpenAfterInstall="true" DeleteExisting="False"
DoNotOverwriteInstallation="True" RegisterCounters="False" InstallWinServices="False"
RegisterApplicationToEventLog="False" WebProject="WebSite" KillRunningProcesses="
False" EnableModuleUsageTracking = "true" />
        <IIS Website="Default Web Site" TargetFolder="C:\inetpub\wwwroot\Kentico11_{%
fileversion%}" DeleteExisting="GetUnique" KillRunningProcesses="False" />
        <Sql InstallDatabase="true" Server="Artemis" Authentication="SQL" SqlName="
login" SqlPswd="password" Database="Kentico11_{%fileversion%}" Operation="New"
DeleteExisting="false" />
        <Modules type="InstallAll" />
        <WebTemplates type="InstallAll" />
        <UICultures type="InstallAll" />
        <Dictionaries type="InstallAll" />
        <WebSites>
                <WebSite domain="localhost" displayname="Dancing Goat"
webtemplatename="DancingGoat" />
        </WebSites>
        <Licenses>
                <License domain="localhost"><![CDATA[DOMAIN:localhost
PRODUCT:CX09
EXPIRATION:00000000
PACKAGES:
SERVERS:1
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/4NOoKbNzvGhuV1Jmq1XbGiT8Od0Y2vufeqzcM4VdFRRAOlIoQHFwwfyEah2kSw1z9zUbqWj3nZqZUD6jXi8Fok
OWKWzZeybg9NQgZ1+vtd7jg1B1+bz/Te+w==]]></License>
        </Licenses>
</SilentInstall>
```