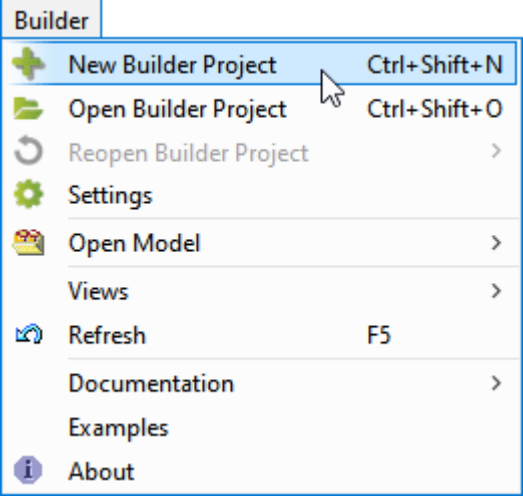



# Working with Builder Projects

## Creating a New Builder Project

A Builder project in the BUILDER is a collection of UML models in a logical context.

The screenshot shows the 'Builder' menu in a software application. The menu is open, displaying several options. The first option, 'New Builder Project', is highlighted with a mouse cursor. To its right, the keyboard shortcut 'Ctrl+Shift+N' is listed. Other options include 'Open Builder Project' (Ctrl+Shift+O), 'Reopen Builder Project', 'Settings', 'Open Model', 'Views', 'Refresh' (F5), 'Documentation', 'Examples', and 'About'.

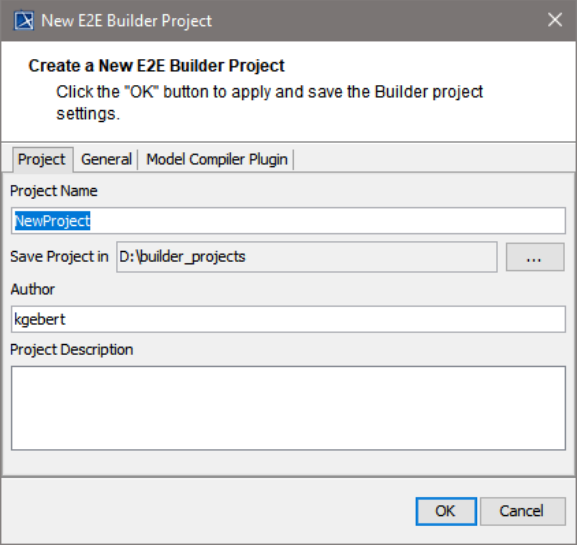
To create a new Builder project select **Builder > New Builder Project** or select  from the menu bar.

### On this Page:

- [Creating a New Builder Project](#)
- [Changing the E2E Builder Project Settings](#)
- [Opening an Existing Project](#)

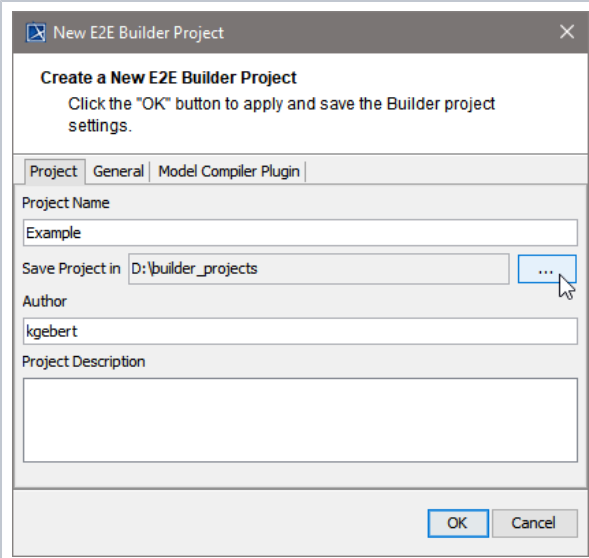
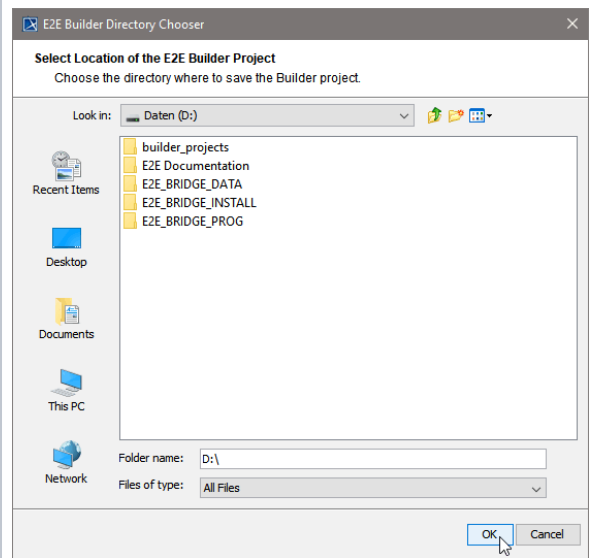

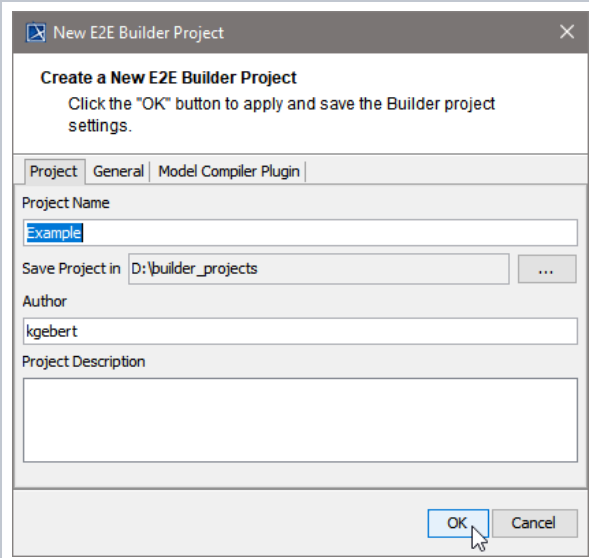
### Related Pages:

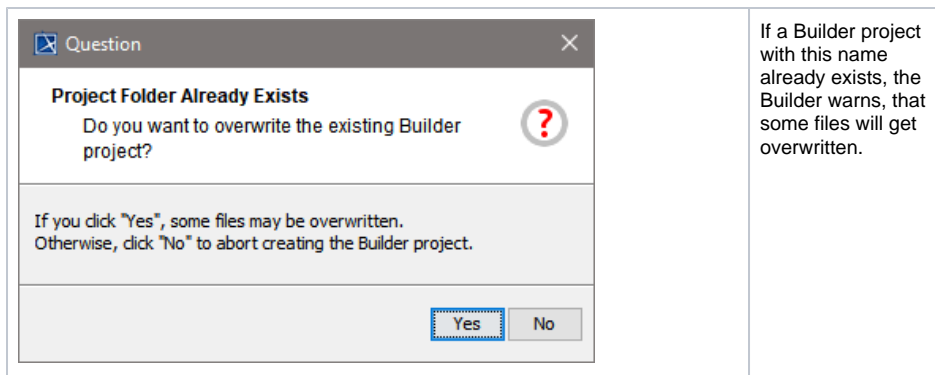
- [BUILDER for MagicDraw Basics](#)
- [xUML Service Template](#)
- [The Importers](#)
- [Changing the Model Compiler Settings](#)

The screenshot shows a dialog box titled 'New E2E Builder Project'. It has a close button (X) in the top right corner. The dialog contains a message: 'Create a New E2E Builder Project. Click the "OK" button to apply and save the Builder project settings.' Below the message are three tabs: 'Project', 'General', and 'Model Compiler Plugin'. The 'Project' tab is selected. It contains a 'Project Name' field with the text 'NewProject', a 'Save Project in' field with the path 'D:\builder\_projects' and a browse button (...), an 'Author' field with the text 'kgebert', and a 'Project Description' text area. At the bottom are 'OK' and 'Cancel' buttons.

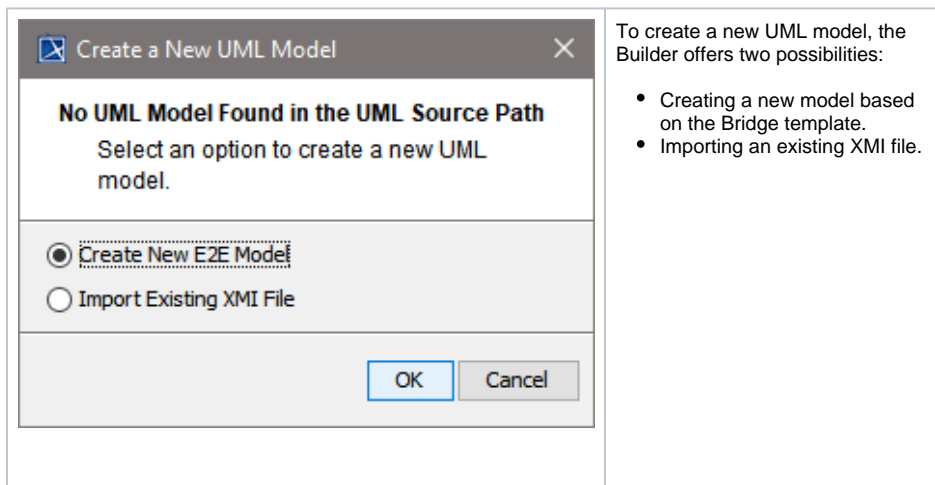
The project settings dialog opens.

Enter **Project Name** (mandatory), **Author** (optional), and **Project Description** (optional).

 <p><b>New E2E Builder Project</b></p> <p>Create a New E2E Builder Project</p> <p>Click the "OK" button to apply and save the Builder project settings.</p> <p>Project Name: Example</p> <p>Save Project in: D:\builder_projects</p> <p>Author: kgebert</p> <p>Project Description:</p> <p>OK Cancel</p>	<p>The default path of the whole project (<b>Save Project in</b>) is based on your installation directory.</p> <p>Builder projects may be stored in an arbitrary path - it does not need to be related to the location of your Builder installation. You can change it by clicking ... .</p>
 <p><b>E2E Builder Directory Chooser</b></p> <p>Select Location of the E2E Builder Project</p> <p>Choose the directory where to save the Builder project.</p> <p>Look in: D:\</p> <ul style="list-style-type: none"> <li>builder_projects</li> <li>E2E Documentation</li> <li>E2E_BRIDGE_DATA</li> <li>E2E_BRIDGE_INSTALL</li> <li>E2E_BRIDGE_PROG</li> </ul> <p>Folder name: D:\</p> <p>Files of type: All Files</p> <p>OK Cancel</p>	<p>Select the folder of your choice or create one with  and click <b>OK</b>.</p>
 <p><b>New E2E Builder Project</b></p> <p>Create a New E2E Builder Project</p> <p>Click the "OK" button to apply and save the Builder project settings.</p> <p>Project Name: Example</p> <p>Save Project in: D:\builder_projects</p> <p>Author: kgebert</p> <p>Project Description:</p> <p>OK Cancel</p>	<p>After clicking <b>OK</b> the new Builder project will be created.</p>



In a Builder project, all XML files of the project are stored. A new Builder project is always empty (no XML files existing).



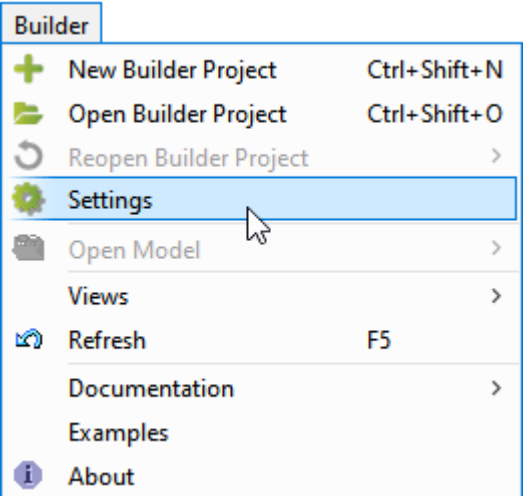
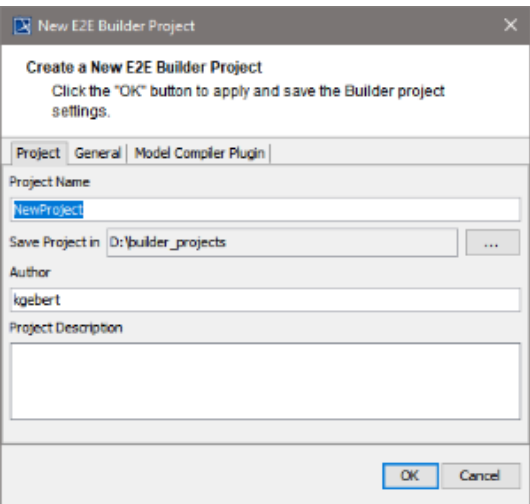
Regarding the Bridge template, refer to [xUML Service Template](#). You can also start a UML model by importing WSDL/XSD files, IDocs, Java classes, or XSLT scripts/XSLT script archives.

UML models that are created by importing WSDL/XSD files, IDocs, Java classes, XSLT scripts /XSLT script archives, flat file definitions, or EDIFACT schemes are not based on the Bridge template. You may want to import such models into a UML model that is based on this template.

For detailed information regarding all import functions, refer to [The Importers](#).

## Changing the E2E Builder Project Settings

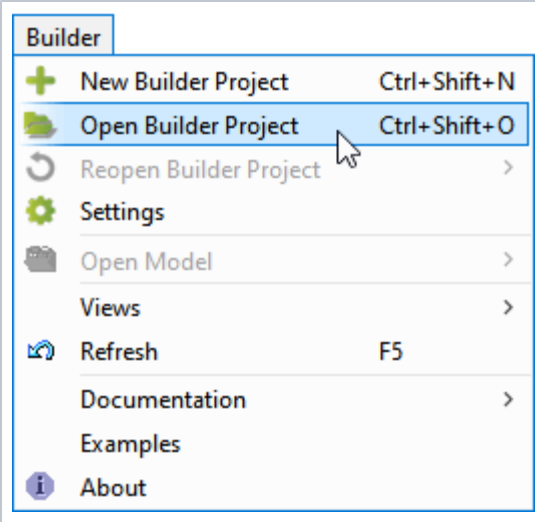
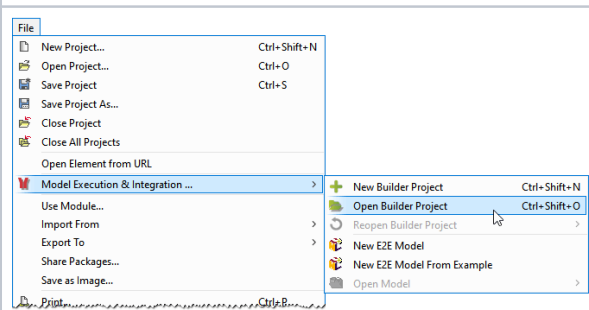
The settings of an existing Builder project can be edited.

 <p>The screenshot shows the 'Builder' menu with several options. The 'Settings' option, represented by a gear icon, is highlighted with a mouse cursor. Other visible options include 'New Builder Project' (Ctrl+Shift+N), 'Open Builder Project' (Ctrl+Shift+O), 'Reopen Builder Project', 'Open Model', 'Views', 'Refresh' (F5), 'Documentation', 'Examples', and 'About'.</p>	<p>Select <b>Builder &gt; Settings</b>.</p>
 <p>The screenshot shows the 'New E2E Builder Project' dialog box. It has tabs for 'Project', 'General', and 'Model Compiler Plugin'. The 'Project' tab is active, showing fields for 'Project Name' (containing 'NewProject'), 'Save Project in' (containing 'D:\builder_projects'), 'Author' (containing 'kgebert'), and 'Project Description'. There are 'OK' and 'Cancel' buttons at the bottom.</p>	<p>The dialog that was already discussed in <a href="#">Creating a New E2E Builder Project</a> will be opened.</p>

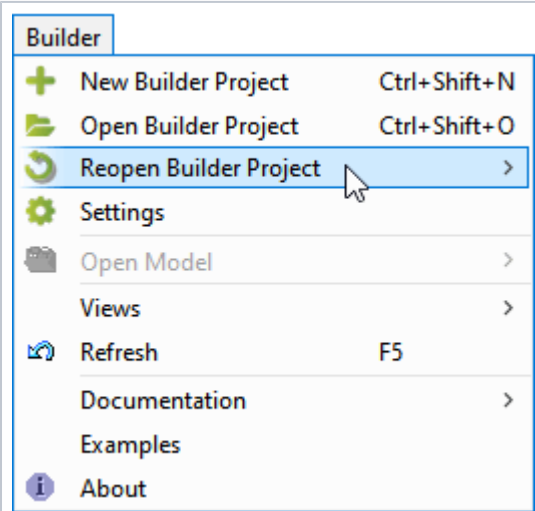
The other tabs **General** and **Model Compiler** will be explained in chapter [Changing the Model Compiler Settings](#).

## Opening an Existing Project

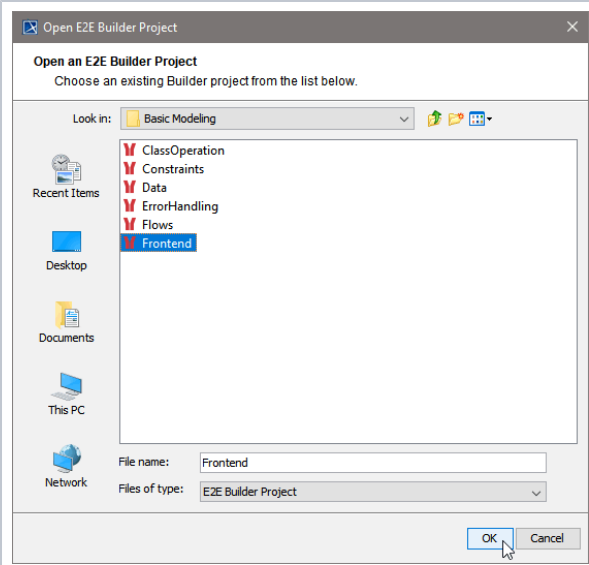
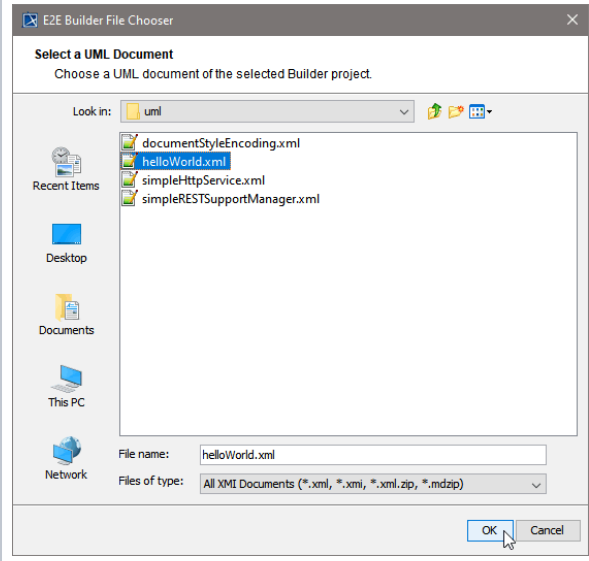
There are three different ways to open an existing Builder project.

 <p>The screenshot shows the 'Builder' menu. The 'Open Builder Project' option is highlighted with a mouse cursor. The menu also includes 'New Builder Project' (Ctrl+Shift+N), 'Reopen Builder Project', 'Settings', 'Open Model', 'Views', 'Refresh' (F5), 'Documentation', 'Examples', and 'About'.</p>	<p>Select <b>Builder &gt; Open Builder Project ...</b></p>
 <p>The screenshot shows the 'File' menu with 'Model Execution &amp; Integration ...' selected. A sub-menu is open, showing 'Open Builder Project' (Ctrl+Shift+O) highlighted. Other options in the sub-menu include 'New Builder Project' (Ctrl+Shift+N), 'Reopen Builder Project', 'New E2E Model', 'New E2E Model From Example', and 'Open Model'.</p>	<p>... Or <b>File &gt; Model Execution &amp; Integration &gt; Open Builder Project</b>.</p>

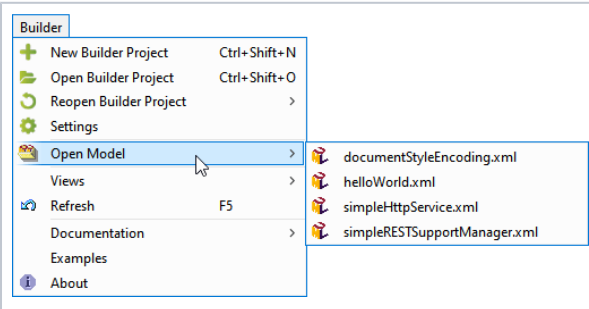
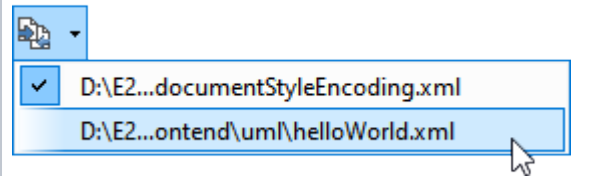
In both cases pressing **Ctrl + Shift + O** will accomplish the same.

 <p>The screenshot shows the 'Builder' menu. The 'Reopen Builder Project' option is highlighted with a mouse cursor. The menu also includes 'New Builder Project' (Ctrl+Shift+N), 'Open Builder Project' (Ctrl+Shift+O), 'Settings', 'Open Model', 'Views', 'Refresh' (F5), 'Documentation', 'Examples', and 'About'.</p>	<p>Alternatively, if you have already worked on a Builder project before, you may select <b>Builder &gt; Reopen Builder Project</b> to continue your work.</p>
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If you installed the Builder documentation as described on [Unzipping the Builder Examples](#) (default path **C:\E2E Documentation 18**), you will find there several sample projects that you can analyze to understand how the modeling approach works. Detailed information about the functions used in the examples is described in the [xUML Services Reference Guide](#).

	<p>If you want to open a sample project, select <b>Builder &gt; Open Builder Project</b> and navigate to the folder where the examples are located. The Builder recognizes Builder projects in the file system and substitutes the folder symbol in the file chooser by an E2E logo.</p>
	<p>If the Builder project is opened for the first time, you may select one of its contained UML models to open. Otherwise, the last XML file that was opened in the Builder project will directly be loaded in MagicDraw.</p>

A **Builder project** can have one or more **XML files** (UML models) that are related to each other in a logical context. However, a single XML file in **MagicDraw's** terminology is also called a project. Do not be confused, a single UML model (XML file) is the same as a **MagicDraw project**, whereas a **Builder project** is a collection of several UML models.

	<p>To open an additional XML model file select <b>Builder &gt; Open Model</b>. All UML models of the currently open Builder project are listed. Select a UML from the list.</p>
	<p>Switch between open projects using the <b>Switch Projects</b> toolbar from the MagicDraw main toolbar.</p>



You may also open a UML model of a different Builder project using the MagicDraw function **File > Open Project**. However, keep in mind, that this model is **not** part of the currently open Builder project and can not be compiled and deployed.