Containment tab

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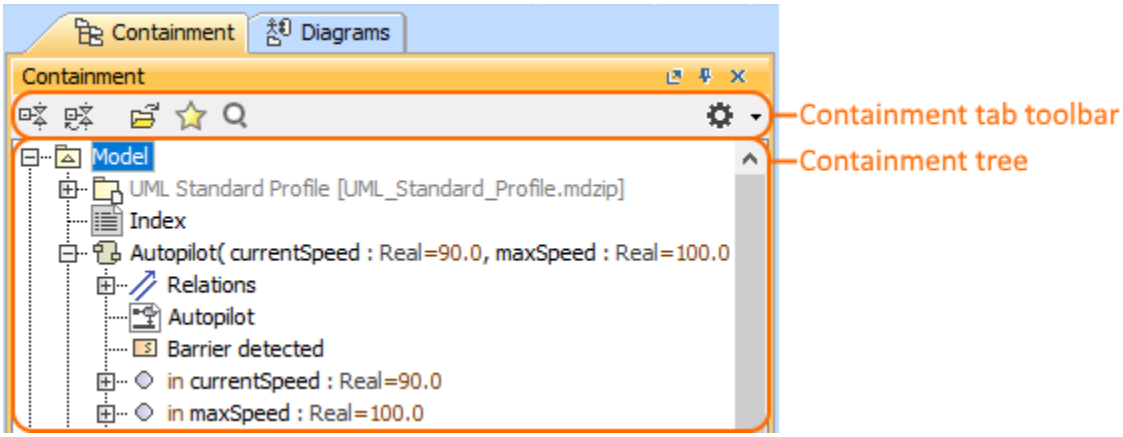
The Containment tab displays model data grouped in logical sets. Using the Containment tab, you can quickly access each model element, change a model element specification, or create a new model element.



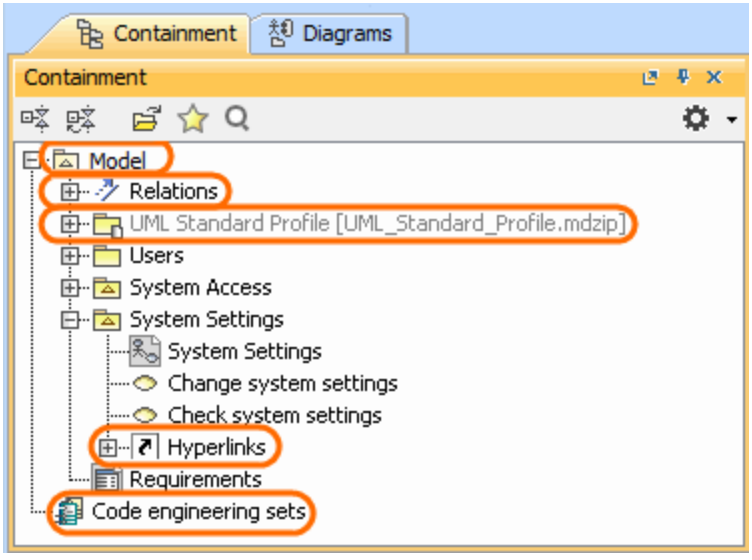
To open the Containment tab, do one of the following

- At the top of the Model Browser, click the **Containment** tab.
- If the Containment tab is hidden, from the **Window** menu, select **Containment**.

> You can change some Containment tab properties in the **Environment Options** dialog > **Browser** options group.

The Containment tab consists of the following two components:

- Containment tab toolbar
- Containment tree



The Containment tree includes

- The root package *Model*:

The Relations branch
The UML Standard Profile
The Hyperlinks branch

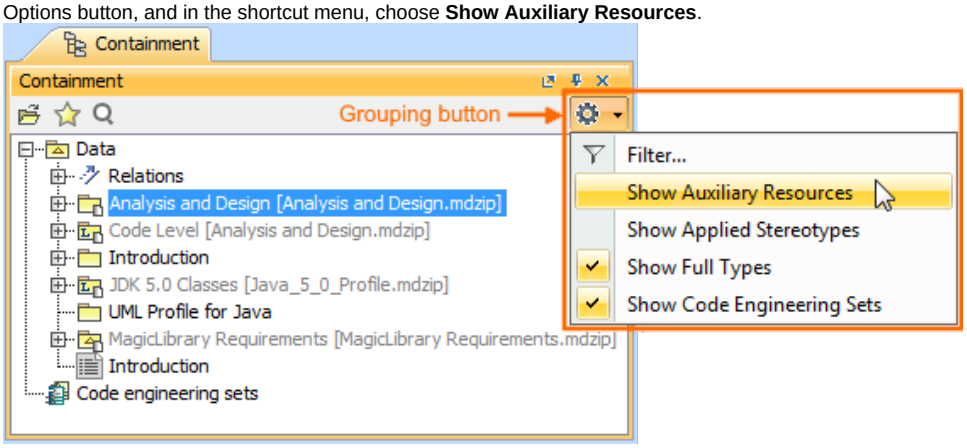
- Code engineering sets

The root package *Model*

The root package *Model* in the Containment tree is the top model element wherein the entire model structure is created. The root package *Model* represents the model element that is named *Model*. All model elements are stored in the root package *Model*. You can create the structure of your project by creating packages in the root package *Model*. This helps to distribute model elements into logical groups.

Along with model elements that are created by the user, the root package *Model* may contain the following default items:

- The **Relations** branch. This branch appears when at least one relationship is created in the project. The *Relations* branch collects all relationships from the particular owner. For example, if the *Relations* branch is in the root package *Model*, that means, all relationships from the root package *M odel* are listed in the *Relations* branch owned by the root package *Model*. The *Relations* branch can exist in other elements which may have inner elements and relations among these elements. For example, in packages, classes, and others.
- The **UML Standard Profile** package. This is a profile that is included in every MagicDraw project. It contains a list of stereotypes, data types, and other elements from the UML 2 metamodel. By default, the *UML Standard Profile* is hidden. To display the *UML Standard Profile*, click the Options button, and in the shortcut menu, choose **Show Auxiliary Resources**.



There can be more standard profiles (such as SysML, UPDM, Java, and others).

> We highly recommend not to modify our provided standard profiles and libraries as it could cause problems with version updates, plugins, core MagicDraw tool malfunctions, and model corruptions.

- The **File View** package. This package appears when at least one code engineering set is created. The *File View* package contains components that are created on code reverse and represents source files.
- The **Hyperlinks** branch. This branch appears when at least one hyperlink is added to the particular element. The Hyperlinks branch contains the list of hyperlinks to the file, element/ symbol, or web page.

Code engineering sets

> Code engineering is available in Professional, Architect, and Enterprise editions.

Code engineering sets can be considered a gateway between your source code and model data. Using these sets, you can perform Java, C++, C#, IDL, CIL, CORBA IDL, EJB 2.0, and WSDL round-trip code engineering, that is, code generation and reverse engineering.

To display Code engineering sets

- In the Containment tab toolbar, click the **Options** button, then click to select the **Show Code Engineering Sets** check box.

In Code engineering sets branch, you can create a new code engineering set, generate code, and perform other actions.

Containment tab toolbar

The Containment tab toolbar contains the following buttons:

Button	Tooltip text	Description
	Collapse All	Collapse all of the currently elements in the Containment tree.
	Collapse Selected Recursively	Collapses only selected node and all subnodes in that node.
	Open in New Tab	Opens the contents of the selected element in a new tab of the Model Browser.
	Favorites	Opens the Favorites menu for choosing to do one of the following: • Add a selected element to favorites • Open the dialog for managing favorites • Navigate to a desired favorite in the Containment tree
	Quick Find	Opens the **Quick Find** dialog.
	Options	Click to open the Options menu and then select: • **Filter** - opens the **Items Filter** dialog wherein you can select element types to be visible in the Containment tree. • **Show Auxiliary Resources** - shows or hides modules and profiles that are used in your project. • **Show Applied Stereotypes** - shows or hides the applied stereotypes next to the element name in the Containment tree. • **Show Full Types** - shows or hides the full types of typed elements (for example, operations, attributes, relationships, and other) in the Containment tree. • **Show Code Engineering Sets** - shows or hides the code engineering sets.

The same actions you may perform using the shortcut menu of the Containment tree.

Working with model elements in the Containment tree

You can work with elements in the Containment tree using the commands available from the selected element's shortcut menu.

Particular actions are available for the particular elements.

The shortcut menu contains the following commands:

Command	Function
Create Element	Creates a new element inside the selected element. This command is available if the selected element can be edited.
Create Diagram	Creates a new diagram inside the selected element. This command is available if the selected element can be edited.
Create Relation > **Outgoing / Incoming**	Creates a new relation to or from the selected element.
Open in New Tree	In the Model Browser, opens a new tab for the selected element.
Select in Structure Tree	In the Model Browser, the Structure tab opens and the structured classifier is selected. This command is available for structured classifiers (SysML).

Open in New Structure Tree	In the Model Browser, opens a new Structure tab for the selected structured classifier. ⚠ This command is available for structured classifiers (SysML).
Specification	Opens the element Specification window wherein you can specify various element properties.
Go To	Opens or selects the item associated with the selected element. The item may be diagram, model element, or hyperlink.
Refactor	Converts the selected element to the element indicated by a user.
Related Elements	Opens a list of functions available for the selected element.
Tools	Opens a list with tools that are available for the selected element. Depends on the selected element.
Stereotype	Opens the drop down list, wherein you can apply an existing stereotype, or create a new one.
Find	Opens the **Find** dialog.
Apply Profiles	Opens the list of the available to apply profiles. ⚠ • This command is available in the package, model, and system boundary shortcut menu. • To see this command you have to expand the shortcut menu, that is, click on the little arrow at the bottom of the shortcut menu.
Modules	Opens the list with the commands for working with modules. ⚠ • This command is available in the package, model, and system boundary shortcut menu. • To display this command in the shortcut menu you have to expand the shortcut menu, that is, click on the little arrow at the bottom of the shortcut menu.
Generate Code Framework	Generates code for the selected item. Opens the Message Window with the information.
Check Syntax	Checks syntax in the model according to the default code engineering language. Opens the Message Window with the information.
Generate Report	Opens the list of the available report templates.
Reverse from Classpath	This command is available in the class shortcut menu.

Related pages

- Using the Model Browser
- Containment tab
- Structure tab
- Inheritance tab
- Diagrams tab
- Model Extensions tab
- Search Results tab
- Lock View tab
- Zoom tab
- Documentation tab
- Properties tab
- Working with model elements in the Model Browser