Deleting and executing Macros

On this page:
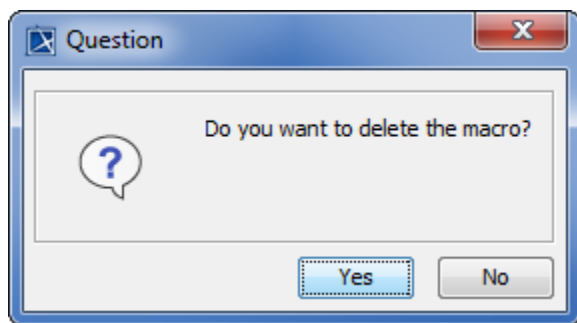
- Deleting a Macro
- Executing a Macro
- Organizing Macros Dialog Mnemonic Keys

You can click the [Delete] or [Run] button in the **Organize Macros** dialog to delete or execute a selected macro. You can also press the pre-designed mnemonic keys to delete or run a macro as described in Organizing Macros Dialog Mnemonic Keys below.

Deleting a Macro

To delete a macro from the **Organize Macros** dialog

1. Click **Tools** > **Macros** > **Organize Macros** to open the **Organize Macros** dialog.
2. Select a macro from the table and either click **Delete** or press **Alt + D**. A dialog will open, asking whether you want to delete the macro, see figure below.
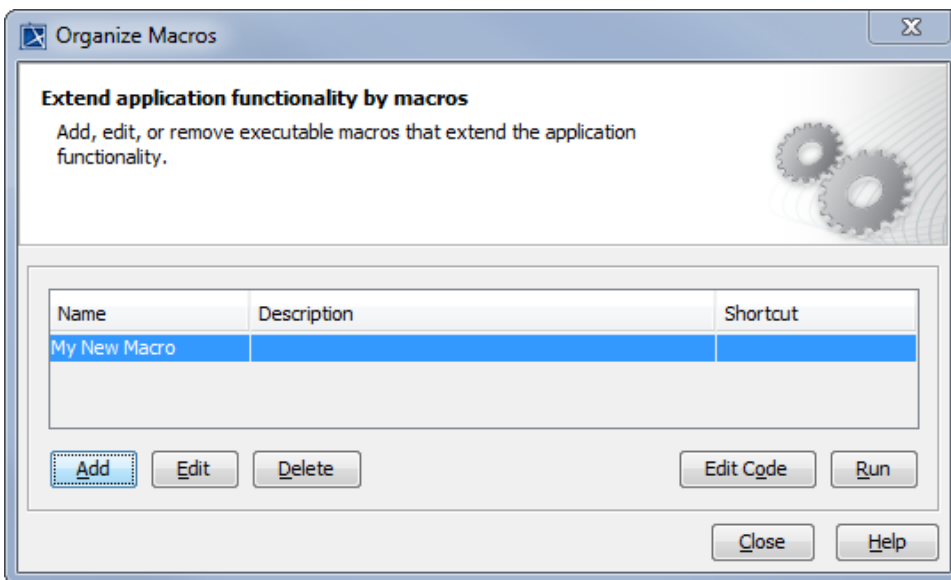

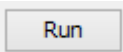3. Click **Yes** and the macro will be deleted from the **Organize Macros** dialog.

Executing a Macro

To execute a macro from the **Organize Macros** dialog

1. Click **Tools** > **Macros** > **Organize Macros** The **Organize Macros** dialog will open, see figure below.
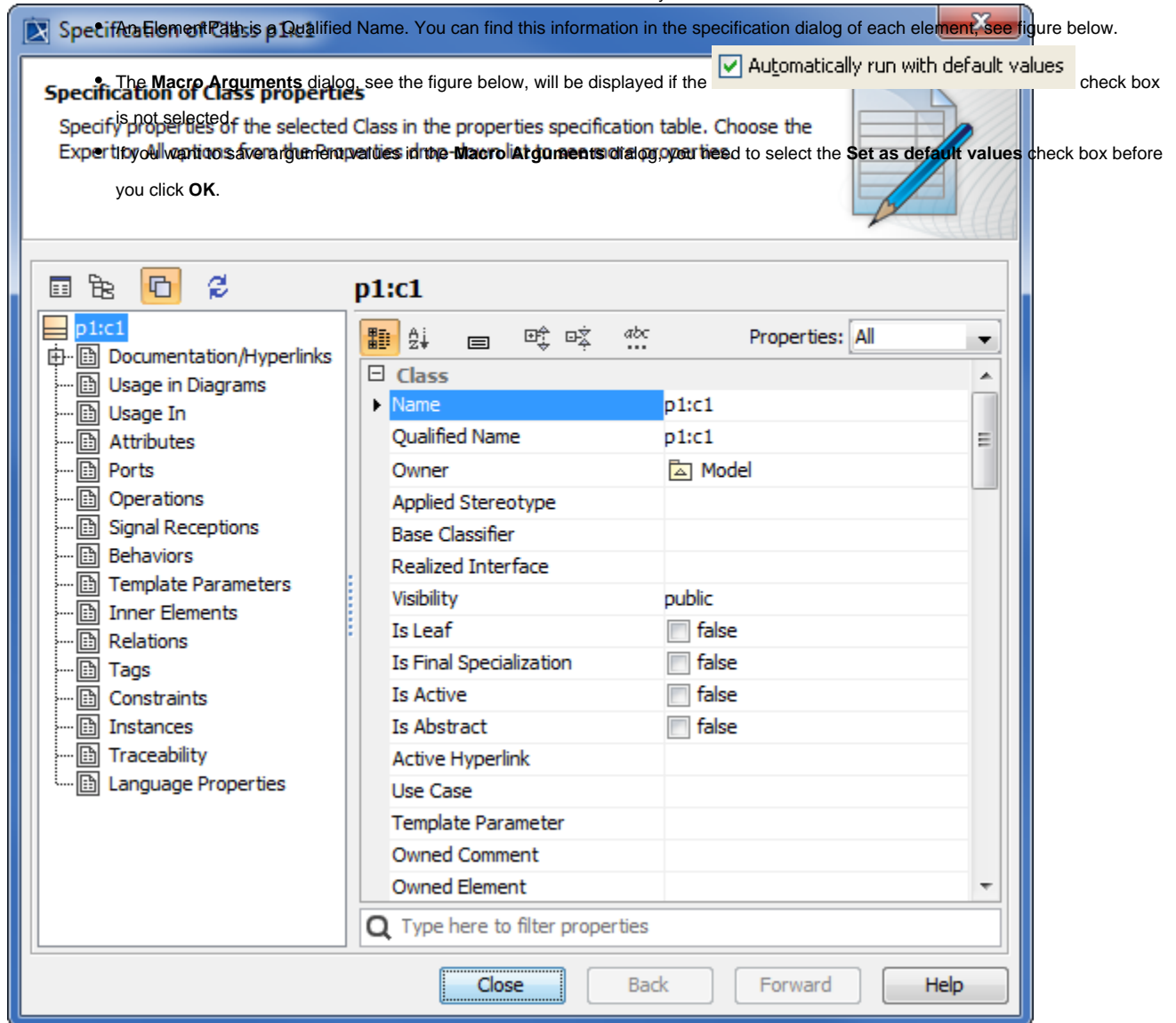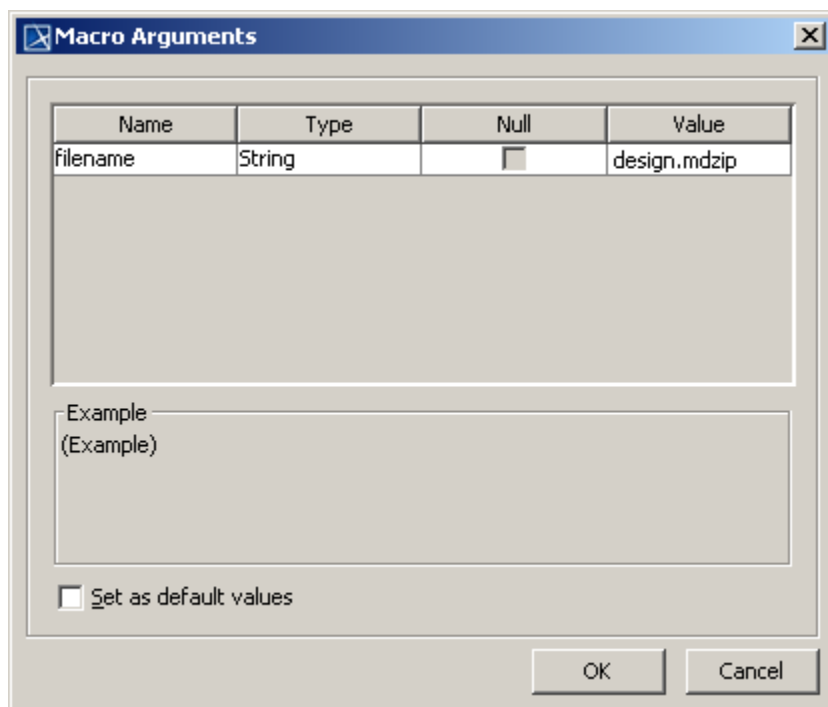

2. Select a macro from the table and click [Run]. After the macro has been executed, a message will open: **The macro <macro name> has been executed**.

3. If you have the parameters in the **Macro Information** dialog, you need to specify the value in the **Macro Arguments** dialog, see figure below, before running the macro.

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- For an array datatype, you need to click the [...] button in the **Value** column in the **Macro Arguments** dialog and enter each value into each line. The value of the first line will be the value in array index 0.
- An Element Path is a Qualified Name. You can find this information in the specification dialog of each element, see figure below.
- The **Macro Arguments** dialog, see the figure below, will be displayed if the ☑ Automatically run with default values check box is not selected.
- All options from the Properties in the **Macro Arguments** dialog, you need to select the **Set as default values** check box before you click **OK**.

Specification of Class p1:c1

Specification of Class properties

Specify properties of the selected Class in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.

▦ 🔁 🗗 ⟳		**p1:c1**

p1:c1

- p1:c1
  - ⊞ Documentation/Hyperlinks
  - Usage in Diagrams
  - Usage In
  - Attributes
  - Ports
  - Operations
  - Signal Receptions
  - Behaviors
  - Template Parameters
  - Inner Elements
  - Relations
  - Tags
  - Constraints
  - Instances
  - Traceability
  - Language Properties

Properties: All

⊟ Class

▶ Name	p1:c1
Qualified Name	p1:c1
Owner	◩ Model
Applied Stereotype	
Base Classifier	
Realized Interface	
Visibility	public
Is Leaf	☐ false
Is Final Specialization	☐ false
Is Active	☐ false
Is Abstract	☐ false
Active Hyperlink	
Use Case	
Template Parameter	
Owned Comment	
Owned Element	

🔍 Type here to filter properties

[Close] [Back] [Forward] [Help]

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- You can also execute a macro from the main browser in MagicDraw by pressing the shortcut keys that you have defined in the **Organize Macros** dialog.
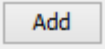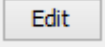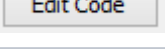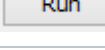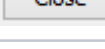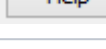
- You can only run macro one at a time.

Organizing Macros Dialog Mnemonic Keys

- If there is an error while running a macro, for example, syntax error, the following message will open: **MagicDraw cannot execute the <macro**

Macro Engine language video no, please make sure that **language> macro, please make sure that <path, filename, extension> is correct**. The table below shows the **Organize Macros** dialog mnemonic keys and their function.

- If MagicDraw cannot find a macro file in the location that you have specified in the **Open** dialog, the following message will open: **MagicDraw cannot find the macro: <path, filename, extension>**.

Table listing of Organize Macros Dialog Mnemonic Keys

Mnemonic keys	Button	Function
Alt + A	Add	To add a macro in the **Macro Information** dialog.
Alt + E	Edit	To edit a macro in the **Macro Information** dialog.
Alt + D	Delete	To delete a macro from the **Organize Macros** dialog.
Alt + O	Edit Code	Code To edit source code in **Macro Editor**.
Alt + R	Run	To run a macro from the **Organize Macros** dialog.
Alt + C	Close	To click the **Close** button.
Alt + H	Help	To click the **Help** button.

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Macro Editor — Edit Code — elements

You can click the [Edit Code] button in the **Organize Macros** dialog, see figure above, to edit and save source code in the **Macro Editor** dialog, see figure below.

You can click [Save] to save the source code or click [Run] to run the macro in the **Macro Editor** dialog, see figure below.

```
1    var CollectionsAndFiles = new JavaImporter(
2        j  [ Save ]                        [ Run ]
3        java.io,
4        com.nomagic.magicdraw.core,
5        com.nomagic.magicdraw.core.project,
6        java.lang);
7
8    with (CollectionsAndFiles) {
9        var projectsManager = Application.getInstance().getProjectsManage
10
11       projectsManager.createProject();
12
13       var filename = "mymodel.mdzip";
14       var dir = System.getProperty("user.home", ".");
15       var fi = new File(dir, filename);
16
17       Application.getInstance().getGUILog().log("Create project: " + fi
18
19       var project = projectsManager.getActiveProject();
20       var projectDescriptor = ProjectDescriptorsFactory.createLocalProj
21
22       var model = project.getModel();
23
```

[Save]   [Run]   [Close]