

Importing WSDL or XSD

You can import a WSDL or XML Schema file (XSD) directly from a file or via a URL. The WSDL / XSD import rules are described in detail in [Import - Export Mechanisms](#).

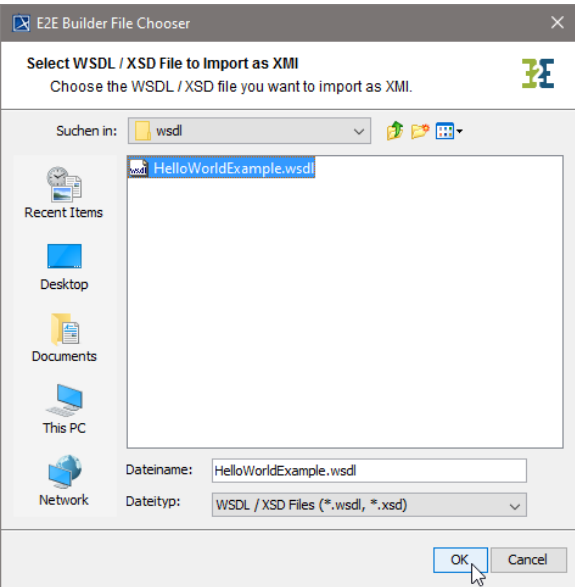
With Builder 7.5.0 we changed the output of the Importer in a way that no package **Elements** will be generated to the Containment tree anymore. This package only contained generalizations of the imported types and sometimes resulted to duplicate classes.

The Importer will nevertheless re-import older imports the old way. If you want to re-import and get the new Importer output, remove the import file from your filesystem (<your Builder project>/uml /imports.<filename>.import) before starting the Importer.

This will result in orphaned proxies in you model. You can resolve them with MagicDraw (see [Troubleshooting the Builder > Model Contains Orphaned Proxies](#)).

To import a WSDL or XSD file, select **Import > WSDL / XSD** from the Model Compiler menu.

Importing a WSDL / XSD File



Navigate to the file, select it, and click **OK**.

On this Page:

- [Importing a WSDL / XSD File](#)
 - [Importing WSDL / XSD into an Existing UML Model](#)
 - [Importing WSDL / XSD into a New UML Model](#)
- [Importing a WSDL / XSD from URL](#)
 - [Importing WSDL / XSD into an Existing UML Model](#)
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Related Pages:

- [Import - Export Mechanisms](#)
- [Errors Importing a WSDL / XSD File](#)

Import

Import Options

Select an import option.

Model selection

☒ Import into an existing model

☐ Import into a new model

Options selection

☐ One UML module per XML namespace (recommended if imported from url)

☒ One UML module per XML Schema file (recommended if imported from file)

☐ Ignore order of attributes in sequence types.

OK

Cancel

The selected file can be imported into either an **existing** or a **new** UML model. Select whether you want the importer to generate one UML module per XML namespace or per XML schema file.

Set option **Ignore order of attributes in sequence types** if you want to set the **isOrdered** tagged value on the imported class to false.

Setting **isOrdered** to false if a WSDL comes with <code>xsd:sequence</code> does not match the WSDL standard, but in some scenarios it may be useful.

You can cancel the import by clicking **Cancel**.

Importing WSDL / XSD into an Existing UML Model

Wanting to import a WSDL file into an existing UML model, proceed as follows.

Select an existing UML Model

Select an existing UML Model

The new model will be imported into the UML model you choose.

Suchen in: uml

imports

helloWorldService.xml

useHelloWorldService.xml

Dateiname: useHelloWorldService.xml

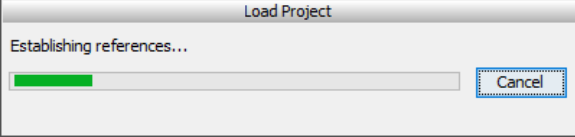
Dateityp: All XMI Documents (*.xml, *.xmi, *.xml.zip, *.mdzip)

OK

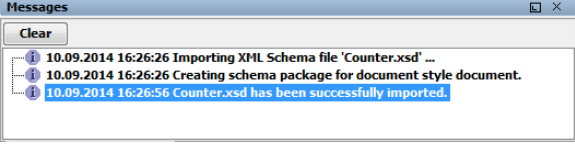
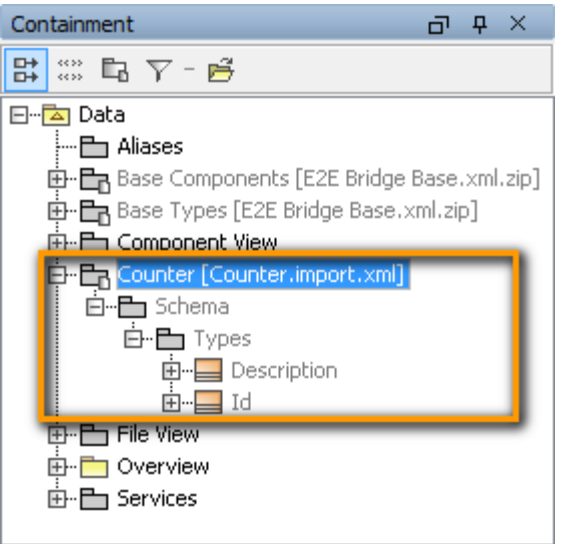
Cancel

Select the UML model, in which the file should be imported. The **uml** source path of the current Builder project will be suggested. Select an XMI file and click **OK**.

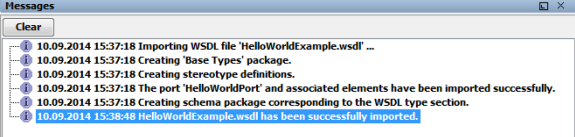
If the current Builder project does only contain one UML model, the importer automatically selects this model without showing the file chooser dialog.

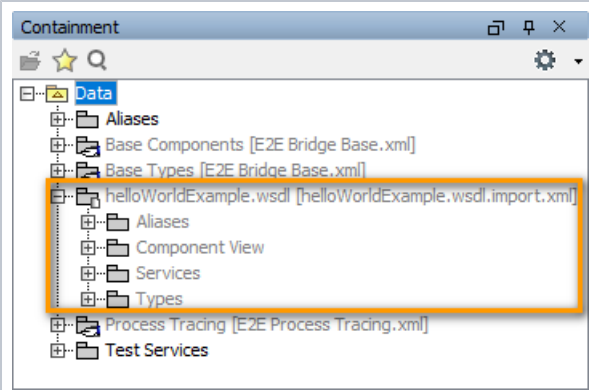
	<p>After a few seconds, the chosen target XMI file will be loaded.</p>
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Having imported an XML Schema file (XSD), ...

	<p>... the Builder shows information about the import process in the Messages window.</p>
	<p>The imported types are stored in the package Data / <XSD file name>.import.xml.</p>

Having imported a WSDL file, ...

	<p>... the Builder shows information about the import process in the Messages window.</p>
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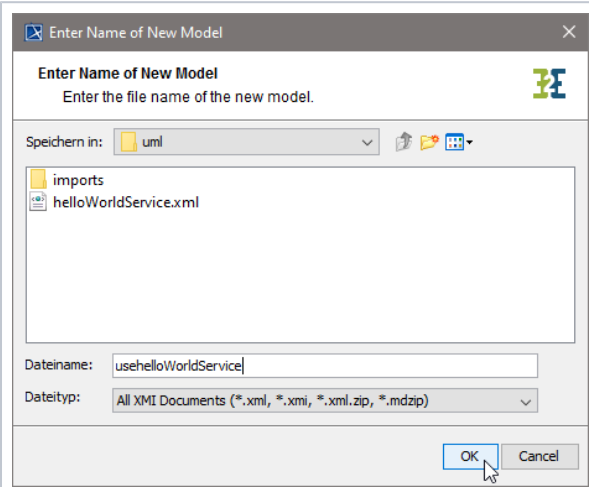
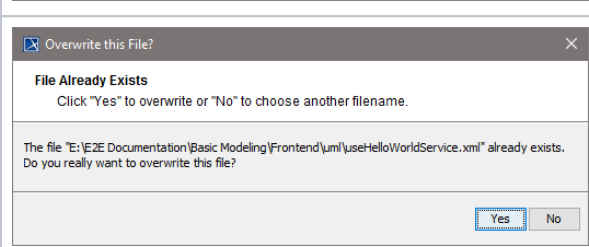
	<p>The imported data is stored in the package Data / <WSDL file name>.wsdl.</p> <div data-bbox="894 275 1063 898"><p>Creation of aliases and alias templates: During the first import into an existing model, aliases and alias templates are created. When a file is re-imported, the alias templates are changed and missing aliases are recreated. Existing aliases remain unchanged.</p></div>
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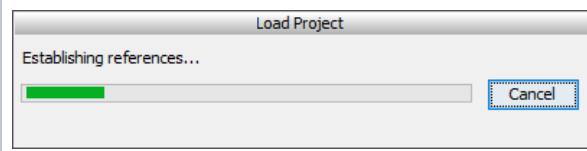
The UML model needs to be saved to persist the imported entities and packages.

If an error occurred during the import, you will be notified by the Importer. Refer to [Errors Importing a WSDL / XSD File](#) for more information.

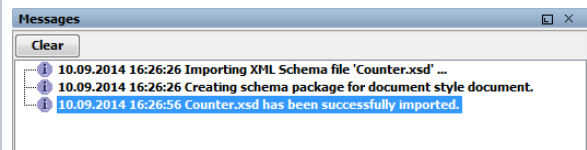
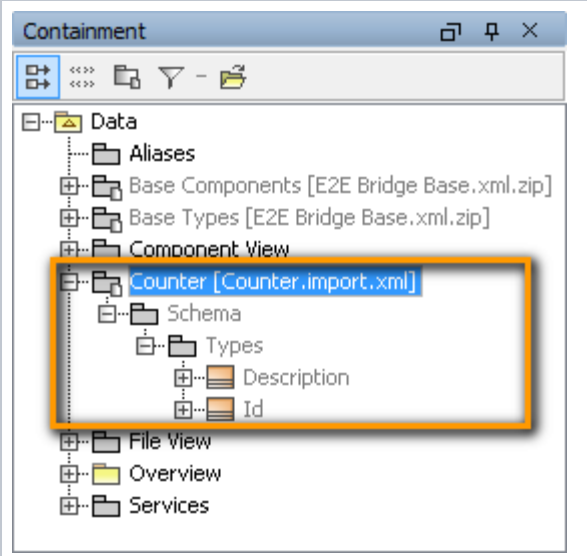
Importing WSDL / XSD into a New UML Model

Wanting to import a WSDL file into a new UML model, proceed as follows.

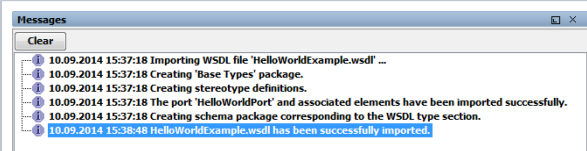
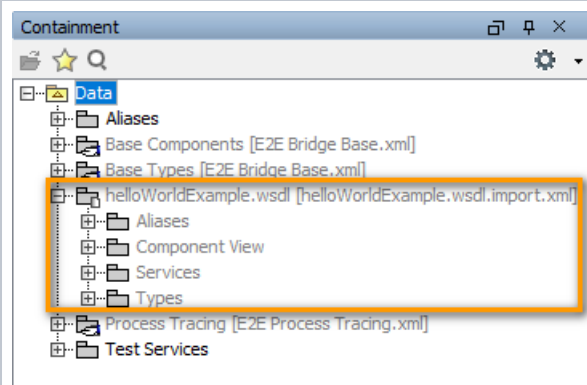
	<p>Choose the directory, in which the new XMI file should be stored. The uml source path of the current Builder project will be suggested.</p> <p>Enter a file name for the new UML model and click OK.</p>
	<p>If the file already exists, you will be asked whether you want to overwrite it.</p>

	<p>After a few seconds, the new UML model will be opened in MagicDraw.</p>
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Having imported an XML Schema file (XSD), ...

	<p>... the Builder shows information about the import process in the Messages window.</p>
	<p>The imported types are stored in the package Data / <XSD file name>.import.xml.</p>

Having imported a WSDL file, ...

	<p>... the Builder shows information about the import process in the Messages window.</p>
	<p>The imported data is stored in the package Data / <WSDL file name>.wsdl.</p> <div data-bbox="894 1472 1063 1772" style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Creation of aliases and alias templates: During the import into a new model, aliases and alias templates are created.</p> </div>

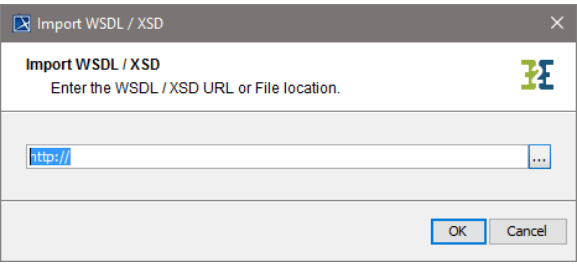
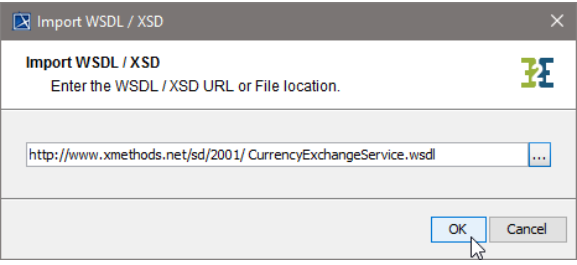
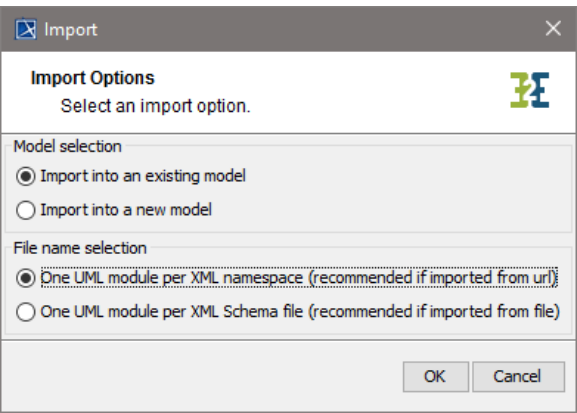
The UML model needs to be saved to persist the imported entities and packages.

If an error occurred during the import, you will be notified by the Importer. Refer to [Errors Importing a WSDL / XSD File](#) for more information.

New UML models that are created by importing WSDL / XSD files are not based on the Bridge template and can be used as a module. You may want to import such models into another UML model that is based on the Bridge template later.

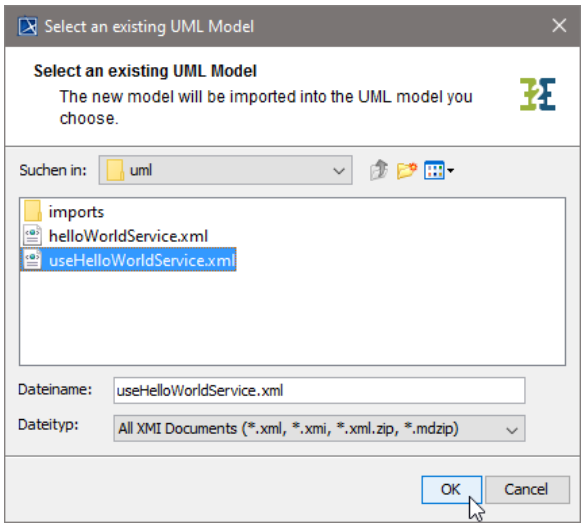
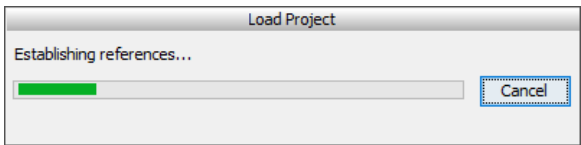
Importing a WSDL / XSD from URL

To import a WSDL or XSD file, select **Import > WSDL / XSD** from the Model Compiler menu.

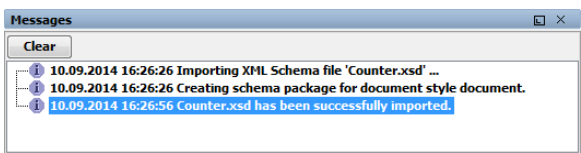
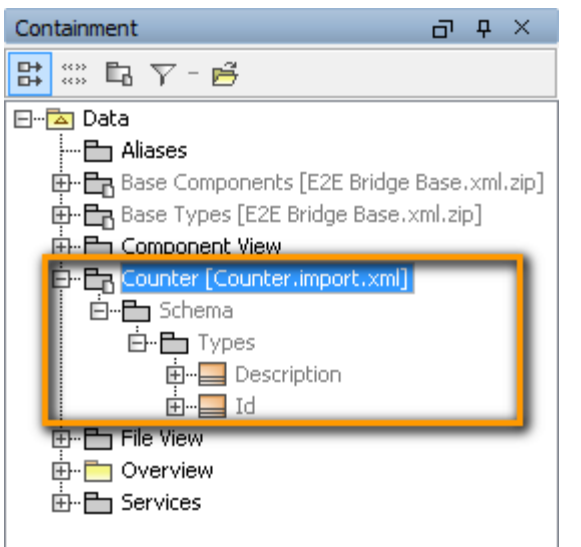
	<p>Enter a complete URL of the WSDL you want to import.</p> <p>For instance, check out xMethods, where you will find publicly available Web Services (http://www.xmethods.com).</p>
	<p>For instance, enter the URL of a WSDL that defines a Web Service providing a currency exchange service: http://www.xmethods.net/sd/2001/CurrencyExchangeService.wsdl.</p> <p>Alternatively, you could also import a WSDL of an xUML service deployed to the Bridge in order to integrate it as SOAP backend in your model.</p>
	<p>The selected file can be imported into either an existing or a new UML model.</p> <p>The import process may also be canceled clicking Cancel.</p>

Importing WSDL / XSD into an Existing UML Model

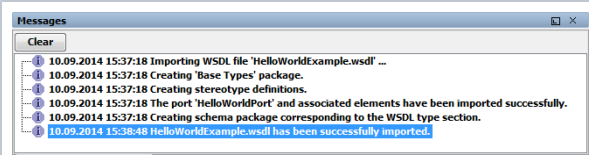
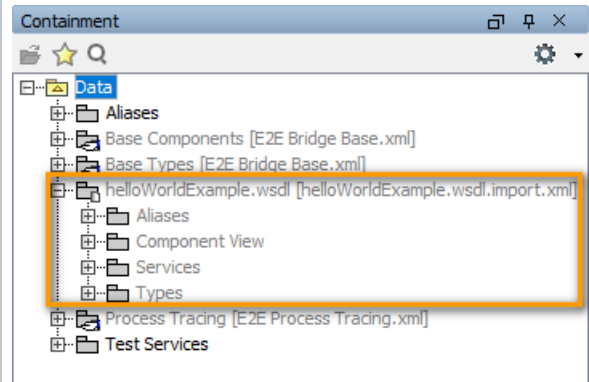
Wanting to import a WSDL file into an existing UML model, proceed as follows.

	<p>Select the UML model, in which the file should be imported. The uml source path of the current Builder project will be suggested. Select an XML file and click OK.</p> <p>If the current Builder project does only contain one UML model, the importer automatically selects this model without showing the file chooser dialog.</p>
	<p>After a few seconds, the chosen target XML file will be loaded.</p>

Having imported an XML Schema file (XSD), ...

	<p>... the Builder shows information about the import process in the Messages window.</p>
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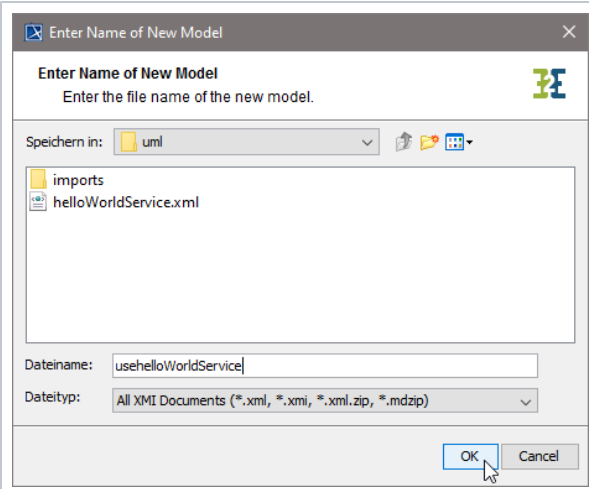
 <p>The Messages window displays a list of messages with timestamps and descriptions of the import process. The messages include: 'Importing WSDL file 'HelloWorldExample.wsdl' ...', 'Creating 'Base Types' package.', 'Creating stereotype definitions.', 'The port 'HelloWorldPort' and associated elements have been imported successfully.', and 'HelloWorldExample.wsdl has been successfully imported.'.</p>	<p>... the Builder shows information about the import process in the Messages window.</p>
 <p>The Containment view shows a tree structure of packages. The 'Data' package is expanded, showing sub-packages: 'Aliases', 'Base Components [E2E Bridge Base.xml]', 'Base Types [E2E Bridge Base.xml]', 'helloWorldExample.wsdl [helloWorldExample.wsdl.import.xml]', 'Aliases', 'Component View', 'Services', 'Types', 'Process Tracing [E2E Process Tracing.xml]', and 'Test Services'. The 'helloWorldExample.wsdl' package is highlighted with an orange rectangle.</p>	<p>The imported data is stored in the package Data / <WSDL file name>.wsdl.</p> <div data-bbox="894 443 1065 1066" style="border: 1px solid orange; padding: 10px;"> <p>Creation of aliases and alias templates: During the first import into an existing model, aliases and alias templates are created. When a file is re-imported, the alias templates are changed and missing aliases are recreated. Existing aliases remain unchanged.</p> </div>

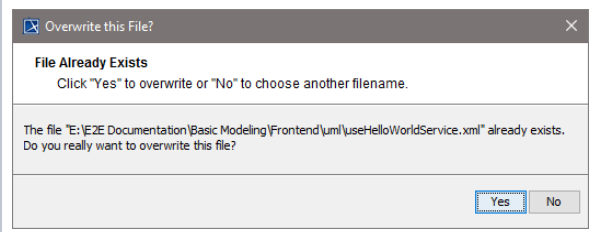
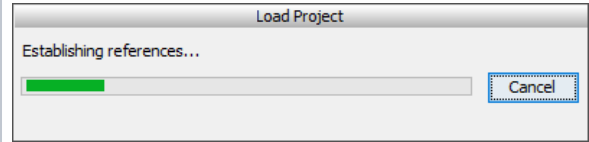
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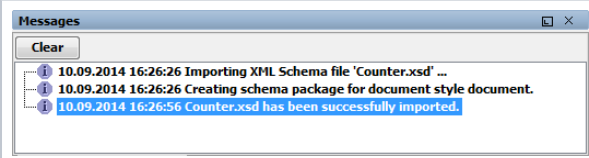
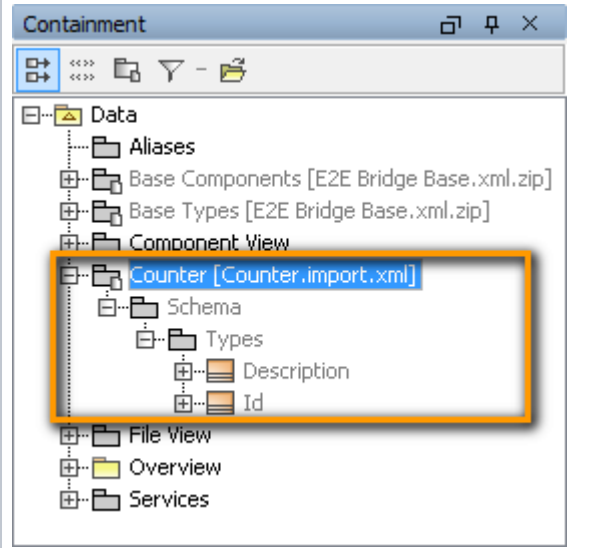
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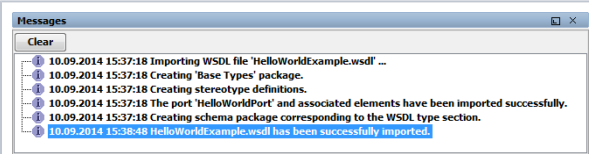
 <p>The 'Enter Name of New Model' dialog box is shown. It has a title bar with a close button. The main area contains the text 'Enter the file name of the new model.' Below this is a 'Speichern in:' section with a dropdown menu set to 'uml' and a file explorer icon. A list box shows 'imports' and 'helloWorldService.xml'. At the bottom, there is a 'Dateiname:' text field with 'usehelloWorldService' and a 'Dateityp:' dropdown menu set to 'All XMI Documents (*.xml, *.xmi, *.xml.zip, *.mdzip)'. 'OK' and 'Cancel' buttons are at the bottom right.</p>	<p>Choose the directory, in which the new XML file should be stored. The uml source path of the current Builder project will be suggested.</p> <p>Enter a file name for the new UML model and click OK.</p>
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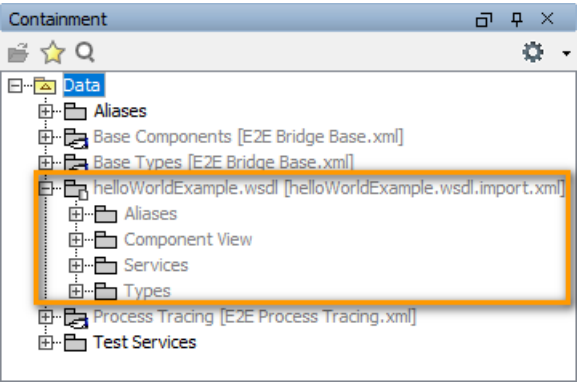
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The screenshot shows the 'Containment' window with a tree view of packages. The 'Data' package is selected, and its contents are expanded. The 'helloWorldExample.wsdl' package is highlighted with an orange box, showing its sub-packages: Aliases, Component View, Services, and Types.

The imported data is stored in the package **Data** / **<WSDL file name>.wsdl**.

Creation of aliases and alias templates:
During the import into a new model, aliases and alias templates are created.

The UML model needs to be saved to persist the imported entities and packages.

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