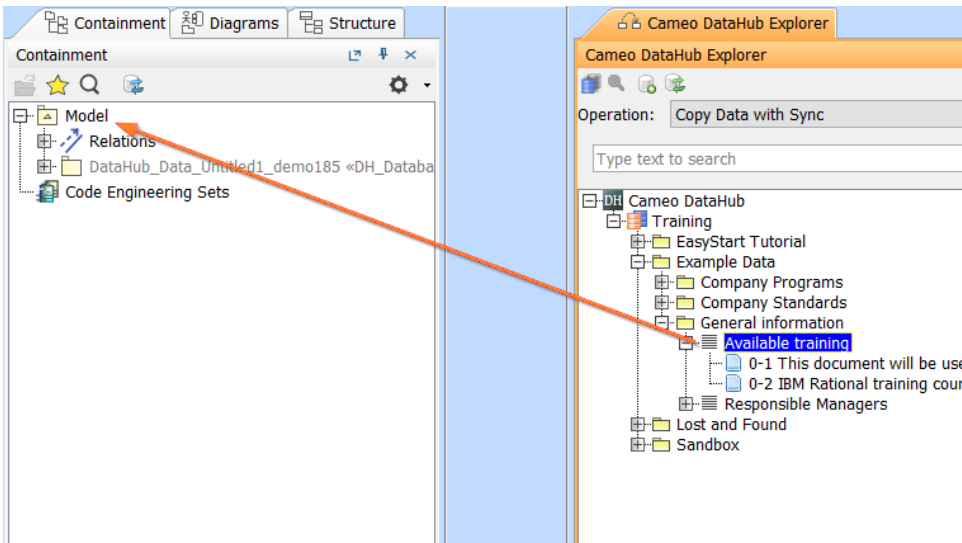# Mapping source and target types to copy data to and from a modelling tool
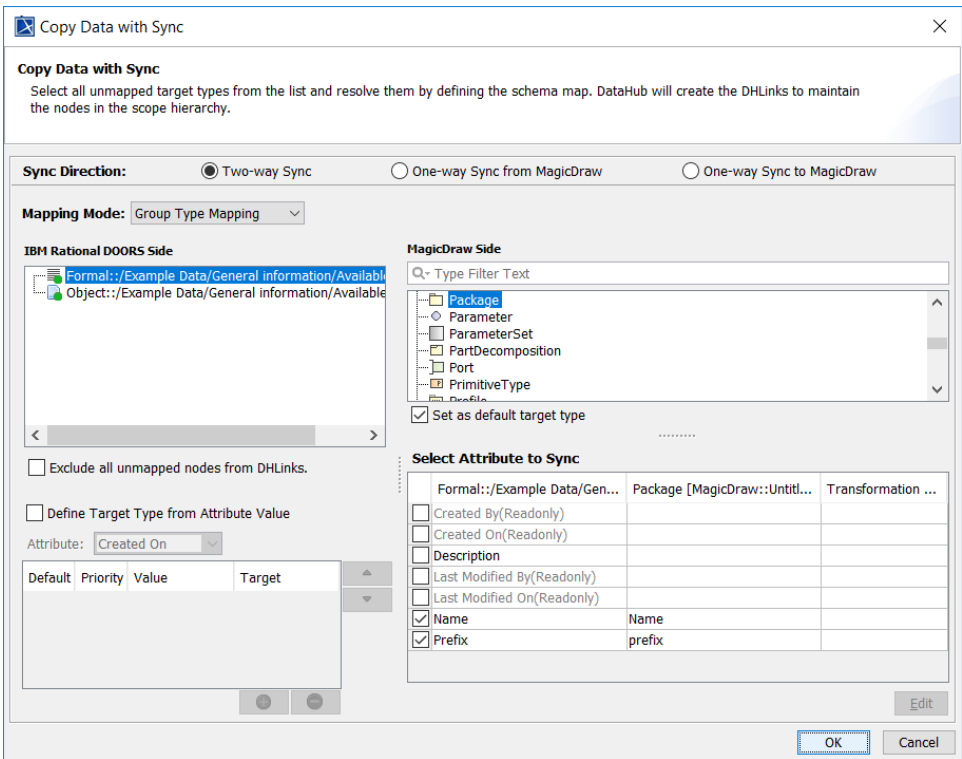
Data can be copied into the MagicDraw® Containment area from other Data Sources. Data can also be moved from MagicDraw® into other Data Sources like DOORS and CSV repositories. You can use the Copy Data, Copy Data with Sync, and Copy Data with DHTrace operations to copy data. While moving the data, the **Copy Data** dialog or **Copy Data with Sync** dialog prompts you to map the source and target types as well as their attribute types. After you map the source and target types, you can copy the data.

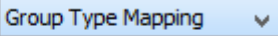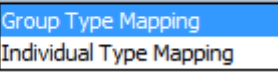To copy data into MagicDraw® or to copy data to other Data Sources

1. Drag the data node to another Data Source, e.g., DOORS.

The export dialog, e.g., **Copy Data with Sync** (depending on the operation you have selected from the DataHub **Operation** drop-down list), opens to allow you to map the source and target attribute.

The detail of each option in the export dialog is explained in the table below.

Option	Function
Mapping mode	This can be either **Individual Type mapping** or **Group Type mapping**. **Individual type mapping** allows you to map the individual nodes themselves, and **Group Type mapping** allows you to map the node type as whole. **Mapping Mode:** Group Type Mapping ⌄ Group Type Mapping **CSV Side** Individual Type Mapping
☐ Set as default target type	The source nodes are mapped to the selected stereotype element type as default. The export dialog will not open when you copy the same type of data next time.
☐ Define Target Type from Attribute Value	This mapping option is only available for group type mapping mode. In this mapping mode, you can specify node values and their target types.
☐ Exclude all non-mapped nodes from DHLinks.	Unmapped nodes will not be copied, and the source nodes will be marked as excluded with an 'X' symbol. Unmapped nodes are marked with red circles beside them and the mapped ones have green circles.
Sync Direction	**Two-way sync**, **One-way Sync from MagicDraw** and **One-way Sync to MagicDraw**. Two-way sync changes the nodes on both ends, while one-way sync only synchronizes changes from the source node to the target node.

2. Choose a mapping type, either individual or group. Map the source types to target types and map source attributes to target attributes. When the nodes have all been mapped, the red circles beside them change to green. You can select the ☐ Exclude all non-mapped nodes from DHLinks. check box to exclude nodes which have not been mapped from being copied.
3. Click **OK**. The nodes are copied to the MagicDraw® Containment area.

Related page

- [DataHub Operation drop-down list](#)