Operation drop-down list
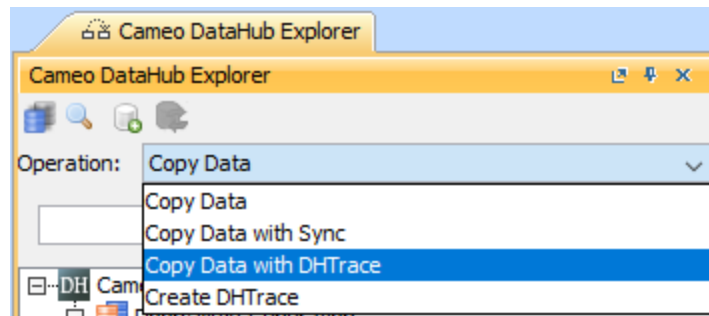
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The DataHub **Operation** drop-down list has options for copying data without or with synchronization, with DHTrace, and creating DHTrace as follows

The DataHub Operation drop-down list.

Copy Data

This option only copies data. It does not allow synchronization.

Copy Data with Sync

This DataHub operation mode allows copying data with synchronization. You can perform synchronization between source and target nodes, either unidirectional or bidirectional, in this mode.

Copy Data with DHTrace

This DataHub operation mode copies data and also includes a trace link between the source and target elements. When a node containing a trace link changes, that trace link is marked **Suspect**.

Trace links or DHTrace links can exist between text-based Requirements and models or elements that define them, like use-cases, system artifacts, documents and other Requirement objects.

When the nodes being traced are modified, deleted, or moved, you can right-click a node in either the MagicDraw Containment tree or DataHub Explorer and select **Check DHTrace Changes Recursively**. Choosing this option opens up the **DHTrace Summary** dialog which lists all the **Suspect** links in the system. You can choose to clear the **Suspect** trace through the **DHTrace Summary** dialog or you can leave them. In this case, the Requirement is validated.

Create DHTrace (with OSLC links)

This DataHub operation mode creates a **DHTrace** link between the source and target items. A trace link can exist between two requirement objects or between requirements and their model elements such as a use-case. As in the previous operation mode, whenever the source or target nodes are moved, modified, or deleted, will result in the trace link becoming **Suspect**.

You can then right-click the node in MagicDraw containment tree or DataHub Explorer and choose **Check DHTrace Changes Recursively**. The **DHTrace Summary** dialog will open allowing you to clear the trace links which have acquired a suspect status, thus validating the state of the requirement and the linked UML element.

Creating OSLC links (through the Create DHTrace operation)

⚠️ **Note**
In the 19.0 and later versions, the **Create OSLC link** operation is not displayed and is used through the **Create DHTrace** operation instead from the **Operation** drop-down list in **Cameo DataHub Explorer**.

OSLC links can be created when you open an IBM® Rational® DOORS® Next Generation Data Source in DataHub. You can create OSLC links from IBM® Rational® DOORS® Next Generation artifacts repository by using the **Create DHTrace** operation from the **Operation** drop-down list in **Cameo DataHub Explorer**.

Typically, an OSLC link is a relation between two lifecycle artifacts. Relationships are modeled with two types of properties: link property and backlink property. The following relations have properties listed in the table below

Relation	Link property	Backlink property
implementation		oslc.implementedBy
constrain	oslc.constrains	oslc.constrainedBy
elaborate	oslc.elaborates	oslc.elaboratedBy
satisfy	oslc.satisfies	oslc.satisfiedBy
affect		oslc.affectedBy
specify	oslc.specifies	oslc.specifiedBy
track		oslc.trackedBy
decompose	oslc.decomposes	oslc.decomposedBy
validate		oslc.validatedBy

Related pages

- Copy Data operations
- Copy Data with Sync operations
- Copy Data with DHTrace operations
- Create DHTrace operations with OSLC links