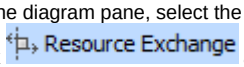
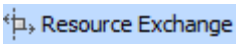
Realized Resource Exchange wizard

To open the **Realized Resource Exchange** wizard

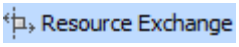
- In the SV-1, SV-2 (DoDAF) diagrams:

  - On the diagram pane, select the Association and on the smart manipulator toolbar, click .
  - Click  and on the diagram pane, connect Resources.
  - Click the Control relationship and connect Posts or Organizations with Posts, Organizations, Natural Resources, Software, Resource Artifact, Technology.
  - Click the Command relationship and connect Posts, Organizations.

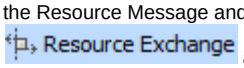
- In the SV-1 Internal, SV-2 Internal (DoDAF):

  - On the diagram pane, select the Resource Connector and on the smart manipulator toolbar, click .
  - On the diagram palette, click  and then click the Resource Connector.

- In the SV-4 Flow (DoDAF) diagram:

  - On the diagram pane, select Function Control Flow or Function Object Flow and on the smart manipulator toolbar click .
  - On the diagram palette, click  and then click Function Control Flow or Function Object Flow.

- In the SV-10c (DoDAF) diagram:

  - On the diagram pane, select the Resource Message and on the smart manipulator toolbar, click .
  - On the diagram palette, click  and then click the Resource Message.

- In the SV-3, SvcV-3a, SvcV-3b (DoDAF) matrix :
  - On the diagram pane, right-click the intersection in the matrix and select **Add New Resource Exchange**.

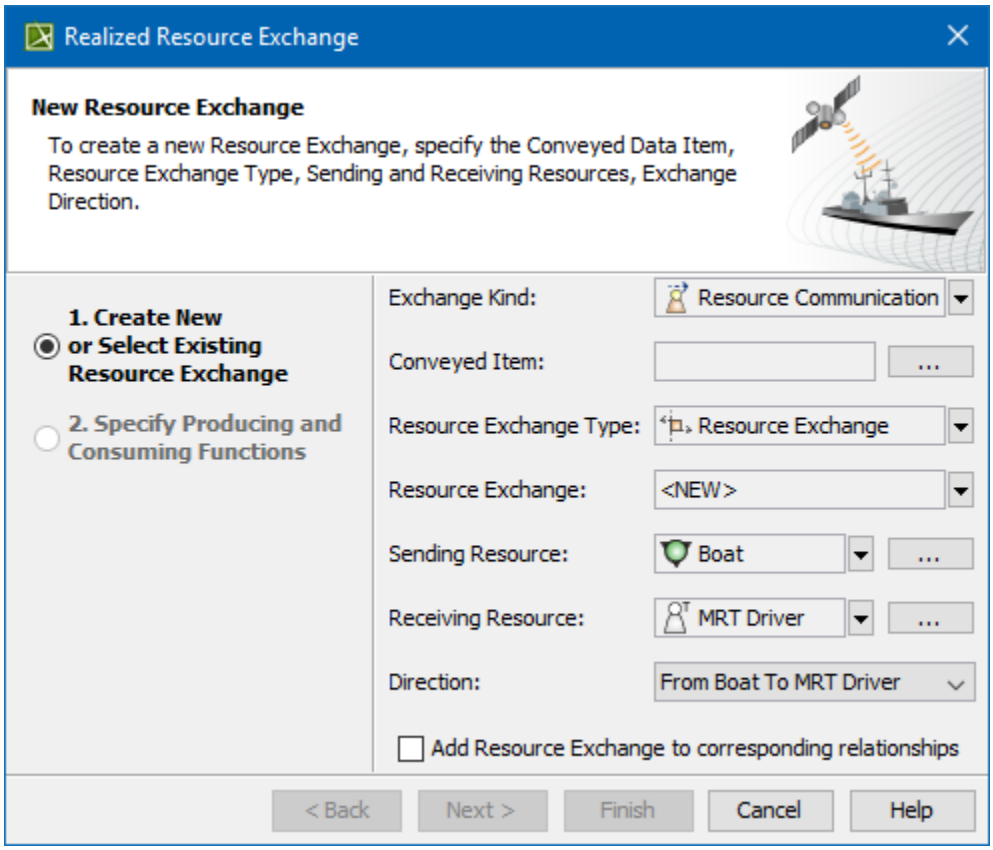
The **Realized Resource Exchange** wizard includes of two steps:

1 Resource Exchange creation (mandatory)
2 Producing and Consuming Functions specification (optional)

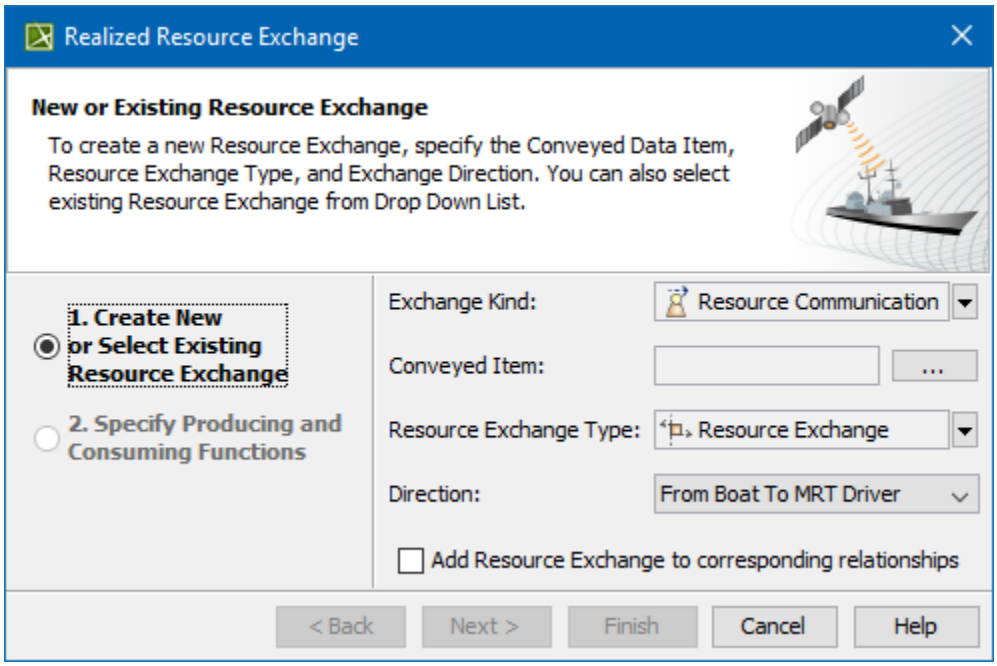
Resource Exchange creation (mandatory)

This step is designed to create a new Resource Exchange by specifying a conveyed Resource Exchange Item, both sending and receiving Resources, and a direction of a Resource Exchange. Depending on a fact, if selected Resources are known or not, requested information differs:

- If sending and receiving Resources are unknown form the wizard invocation context, you need to specify both.



- If sending and receiving Resources are known, they are added to a **Realized Resource** Exchange wizard automatically.



Box	Description
Exchange Kind	Shows the type of exchanged resources: • Resource Communication. • Resource Movement. • Resource Energy Flow. • Geo Political Extent Exchange.

<table>
<tr><td>Conveyed Item</td><td>One or more Resource Exchange Items that are conveyed by the information flow from the sending Resource to receiving Resource.

<table><tr><th>Exchange Kind</th><th>Conveyed Item</th></tr><tr><td>Geo Political Extent Exchange</td><td>• Geo Political Extent Type</td></tr><tr><td>Resource Communication</td><td>• Data Element
• Resource Signal</td></tr><tr><td>Resource Energy Flow</td><td>• Natural Resource</td></tr><tr><td>Resource Movement</td><td>• Security Enclave
• Resource Mitigation
• Capability Configuration
• System
• Resource Architecture
• Natural Resource
• Technology
• Software
• Resource Artifact
• Project
• Responsibility
• Person
• Post
• Organization
• Known Resource</td></tr></table></td></tr>
<tr><td>Resource Exchange</td><td>Resource Exchange that specifies an information flow for specified conveyed items.

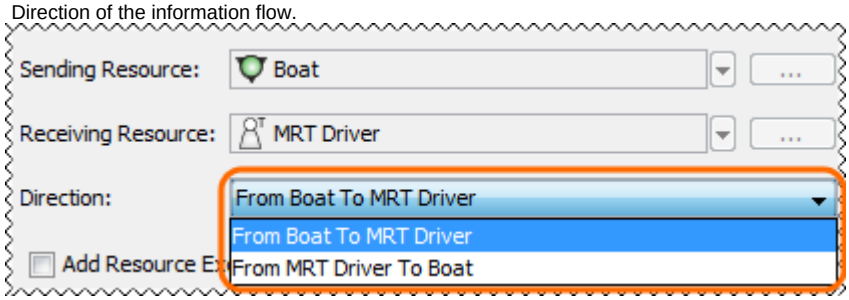
If you select an existing Resource Exchange from the drop-down list, Conveyed Item and Direction boxes will be filled with corresponding information automatically. You will be able to edit values of conveyed items.

The direction of the information flow won’t be editable.

 Available if sending and receiving Resources are known from the wizard invocation context.</td></tr>
<tr><td>Sending Resource</td><td>Resource that sends the specified conveyed information.

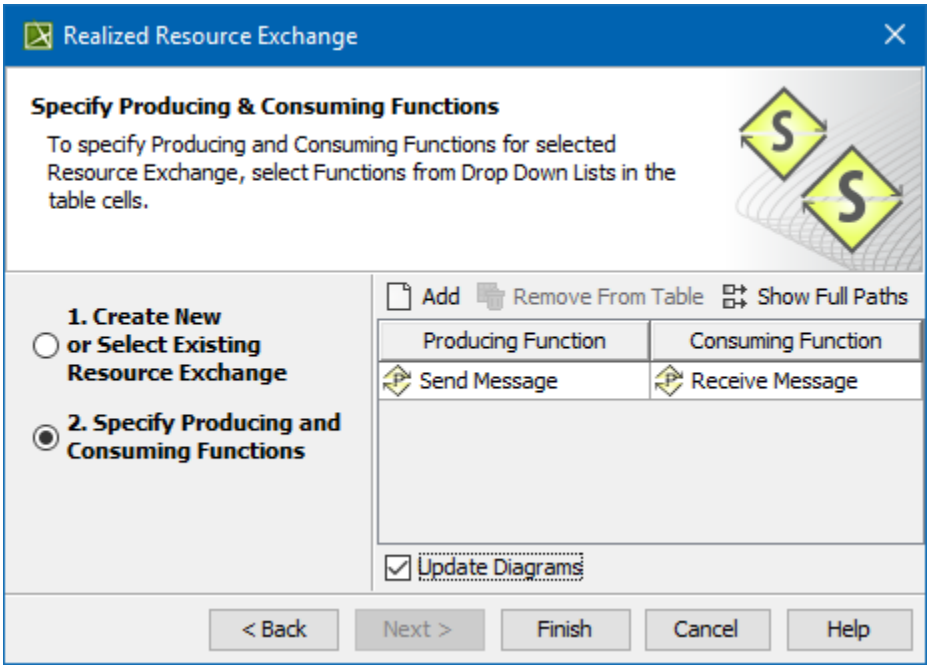
 Available if a Resource is unknown from the wizard invocation context.</td></tr>
<tr><td>Receiving Resource</td><td>Resource that receives the specified conveyed information.

 Available if a Resource is unknown from the wizard invocation context.</td></tr>
</table>

Direction	Direction of the information flow.  After changing the direction from the default one, the sending resource will be switched with the receiving resource. The direction of the Resource Exchange will be changed accordingly.
Add Resource Exchange to corresponding relationships	Select the check box, if you want to add the Resource Exchange to corresponding relationships existing in other related diagrams. These are the relationships that can realize the Resource Exchange: - Resource Connector (SV-1 Internal, SV-2 Internal) - Function Control Flow (SV-4) - Function Object Flow (SV-4) - Resource Message (SV-10c) - Association (SV-1, SV-2) - Control (SV-1, SV-2) - Command (SV-1, SV-2) - Intersection in the matrix (SV-3, SvcV-3a , SvcV-3b)

Producing and Consuming Functions specification (optional)

This step is designed to specify Producing and Consuming Functions for the created or selected Resource Exchange. Resource Exchange are produced and consumed by Activities acting under the Resource.



There should always be a pair of functions: one to produce and other to consume information flow.

Related procedures

- Creating Resource Exchange in P1 diagram
- Creating Resource Exchange in P2 diagram
- Creating Resource Exchange in P4 Resource Functions diagram
- Creating P4 Resource Functions diagram
- Creating Resource Exchange in P6 diagram
- Creating Resource Exchange in SvcV-3a matrix
- Creating Resource Exchange in SvcV-10c diagram
- Creating Resource Exchanges in SV-1 diagram
- Creating Resource Exchange in SV-1 Internal diagram
- Creating Resource Exchange in SV-2 Internal diagram
- Creating Resource Exchange in SV-2 diagram
- Creating Resource Exchange in SV-4 Systems Functionality Flow Description diagram
- Creating Resource Exchange in SV-10c diagram
- Producing and Consuming Functions dialog
- Resource Exchange Manager dialog