

The Operational Exchanges and Resource Interactions can be inherited, aggregated, or composed. You can redefine the inherited flows.

- Operational Exchange Manager
- Resource Interaction Manager
- Role-based tables [OV-3](#), [NOV-3](#), [SV-6](#), [NSV-6](#), [SvcV-6](#), [L3](#), and [P3](#).



Let's realize the Operational Exchange. We can do this in two ways:

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- The screenshot displays the 'Operational Exchange Manager' window. At the top, a diagram shows three nodes: 'Search Node', 'Aircraft', and 'Helicopter', all connected to a central 'Place OES' node. Arrows indicate 'EIS Warning Order' relationships. A red dashed line highlights a specific connection from the 'Aircraft' node to the 'Place OES' node.
- Below the diagram is a table titled 'Manage Operational Exchanges'. The table lists various operational exchanges with columns for ID, Name, Send, Receive, and Action. The 'Send' column contains 'EIS Warning Order' for all entries. The 'Receive' column contains 'Search Node', 'Place Of Safety', 'Send Warning Order', and 'Place Of Safety' respectively. The 'Action' column contains 'Process Warning Order' and 'Place Of Safety' respectively.
- | # | Realize | Exchange ID | Operational Exchange Item | Sending Node | Receiving Node | Producing Operational Activity | Consuming Operational Activity |
|---|---------|-------------|---------------------------|--------------|-----------------|--------------------------------|--------------------------------|
| 1 | False | OE1 | EIS Warning Order | Search Node | Place Of Safety | Send Warning Order | Process Warning Order |
| 2 | False | OE15 | EIS Warning Order | Aircraft | Place Of Safety | | |
| 3 | False | OE16 | EIS Warning Order | Aircraft | Place Of Safety | | |
- At the bottom of the window, there are buttons for 'Realize All', 'Realize None', 'Close', and 'Help'. A 'Filter:' field with a search icon is also present.

1. Click **Options > Project**.
2. In the **Project Options** dialog, select **General > UPDM**.
3. Set the **Respect UPDM Information Flows on Generalization** property value to *false*.

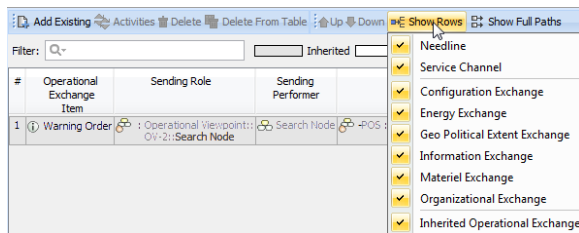


- Note, that the exchange is not created for the drawn association, it is only realized.
- The realization of the exchange will be removed from the association when Generalization or Exchange is removed.

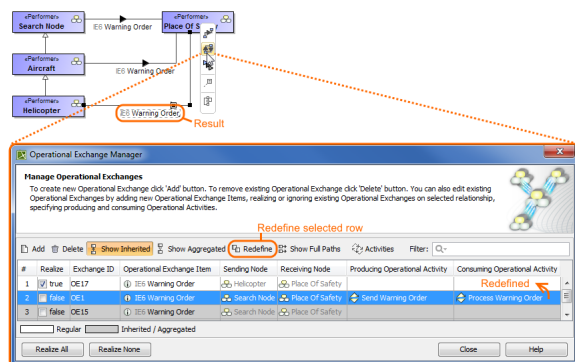
All the inherited exchanges can also be seen in the role-based tables. The inherited exchange rows are displayed in gray. You can use the Inherited Operational Exchange or Resource Interaction option to see the inherited exchanges.

To see the inherited exchanges

1. From the active table's toolbar, select **Show Rows** and then click **Inherited Operational Exchange** or **Resource Interaction** button.



When we have the inherited Operational Exchange, we can redefine it. This means, that the inherited Operational Exchange will be copied together with the information such as Actual Measurements, Conveyed Items, Documentation. The new Operational Exchange will be created in the model.



To redefine the Operational Exchange

1. In the **Operational Exchange Manager** dialog, select the inherited Operational Exchange and click the **Redefine** button. The new Operational Exchange is created.



All the information that comes from the inherited exchange when redefining it can be modified in the model.

Related elements

- Concept Role
- Node
- Performer
- System Resource
- Operational Exchange
- Resource Interaction