

# Working with Resources Constraints Definition diagram

## Creating Resources Constraints Definition diagram

The Resources Constraints Definition diagram requires that the [Resources Taxonomy diagram](#) should be completed.

To create a Resources Constraints Definition diagram

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1. Create resources.
2. Connect resources using Association.
3. Create Resource Exchanges flowing via Associations.



The Resource Taxonomy product also allows you to show the Capabilities. You can model internal structure of each resource directly in the compartment area of this element shape or using the [Resources Internal Connectivity diagram](#).

You can proceed to create [Resources Processes view](#) as soon as the Resources Taxonomy has been completed.

## Creating Resource Exchanges in Resources Constraints Definition diagram

To create a Resource Exchange in Resources Constraints Definition diagram

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1. Open the [Realized Resource Exchange wizard](#) by doing one of the following:
  - On the diagram pane, select the Association between a pair of resources and on the smart manipulator toolbar, click .
  - Click  and on the diagram pane, connect resources.
  - Click the Control relationship and connect the Organizational Resources
  - Click the Command relationship and connect Physical Resources.
2. Select the Resource Exchange Kind from one of the following:
  - Command (between Organizational Resources)
  - Control (between Physical Resources)
  - Resource Exchange
3. Specify the Resource Exchange, Conveyed Item, and Direction.



Only Resource Information Element can be a Conveyed Item for the Command and Control relationships.

4. Click **Next** to specify Producing and Consuming Functions.
5. Click **Finish** when you are done.

You can use [Resource Exchange Manager dialog](#) to analyze and manage the Resource Exchange data.