

# How to use Zachman Framework

[Zachman Framework](#) provides structured and disciplined way of defining an enterprise. It has a matrix representation, with six rows (scope contexts, business concepts, system logic, technology physics, component assemblies, operations classes) and six columns (what, how, where, who, when, why). By adding proper diagrams, terms or business rules into cells, enterprise can be defined.

△ Network Definition							
	WHAT	HOW	WHERE	WHO	WHEN	WHY	
SCOPE CONTEXTS							STRATEGISTS AS THEORISTS
BUSINESS CONCEPTS							EXECUTIVE LEADERS AS OWNERS
SYSTEM LOGIC							ARCHITECTS AS DESIGNERS
TECHNOLOGY PHYSICS							ENGINEERS AS BUILDERS
COMPONENT ASSEMBLIES							TECHNICIANS AS IMPLEMENTERS
OPERATIONS CLASSES							WORKERS AS PARTICIPANTS
	INVENTORY SETS	PROCESS TRANSFORMAT...	NETWORK NODES	ORGANIZATION GROUPS	TIMING PERIODS	MOTIVATION REASONS	

## Creating Zachman Framework

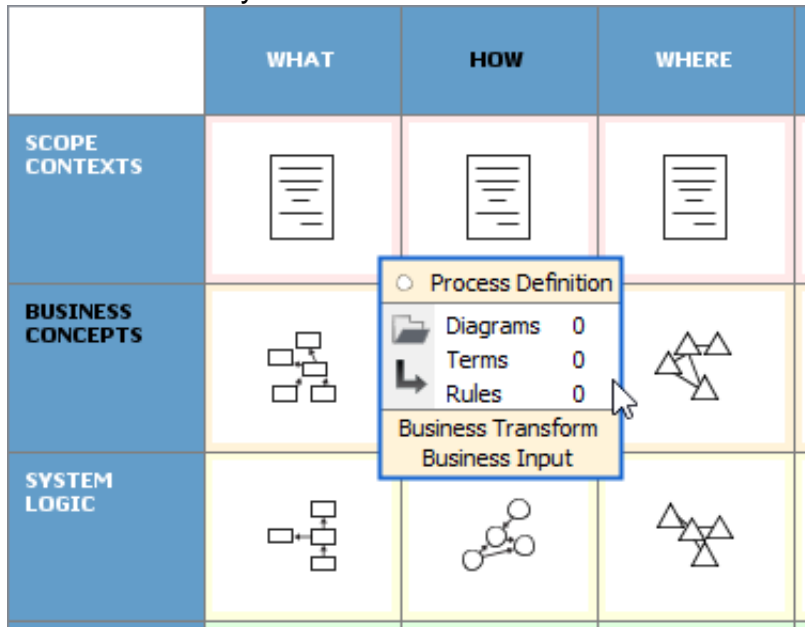
1. Select **Diagram > New** from the application toolbar.
2. In the **New Diagram** window, select **Zachman Framework**.
3. Click **Next**.
4. Enter the diagram name and description. The **Location** field enables you to select a model to store the diagram.
5. Click **OK**.

## Storing artifacts into a cell

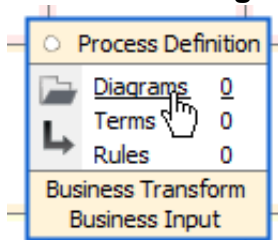
Diagrams, terms and business rules can be added to cells in Zachman Framework to describe enterprise from different perspectives. To edit a cell, click on it. Then, click on appropriate link to add things to cell.

## Add/Edit diagrams

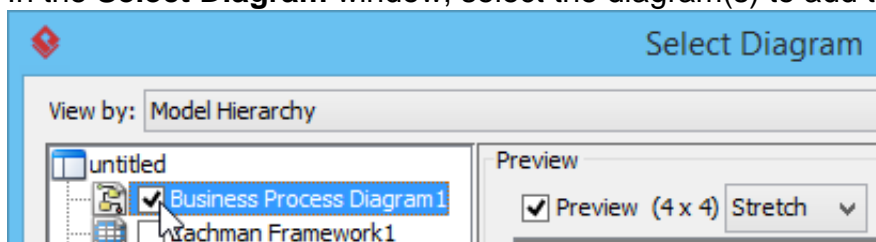
1. Click on the cell you want to edit.



2. Click on the **Diagrams** link.



3. In the window popped up, click **Add...** under the **Diagrams** tab.
4. In the **Select Diagram** window, select the diagram(s) to add to cell and click **OK**.



**Note:** You can check Add as sub diagram to make the selected diagrams be added to the sub-diagrams of the cell element.

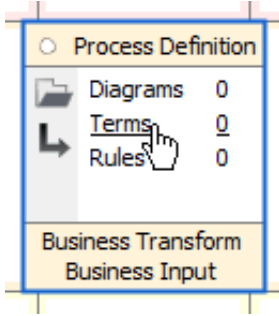
When unchecked, the selected diagram will have their parent elements unchanged.

5. Click **OK** to return to diagram. You can see that the symbol in the edited cell is highlighted.

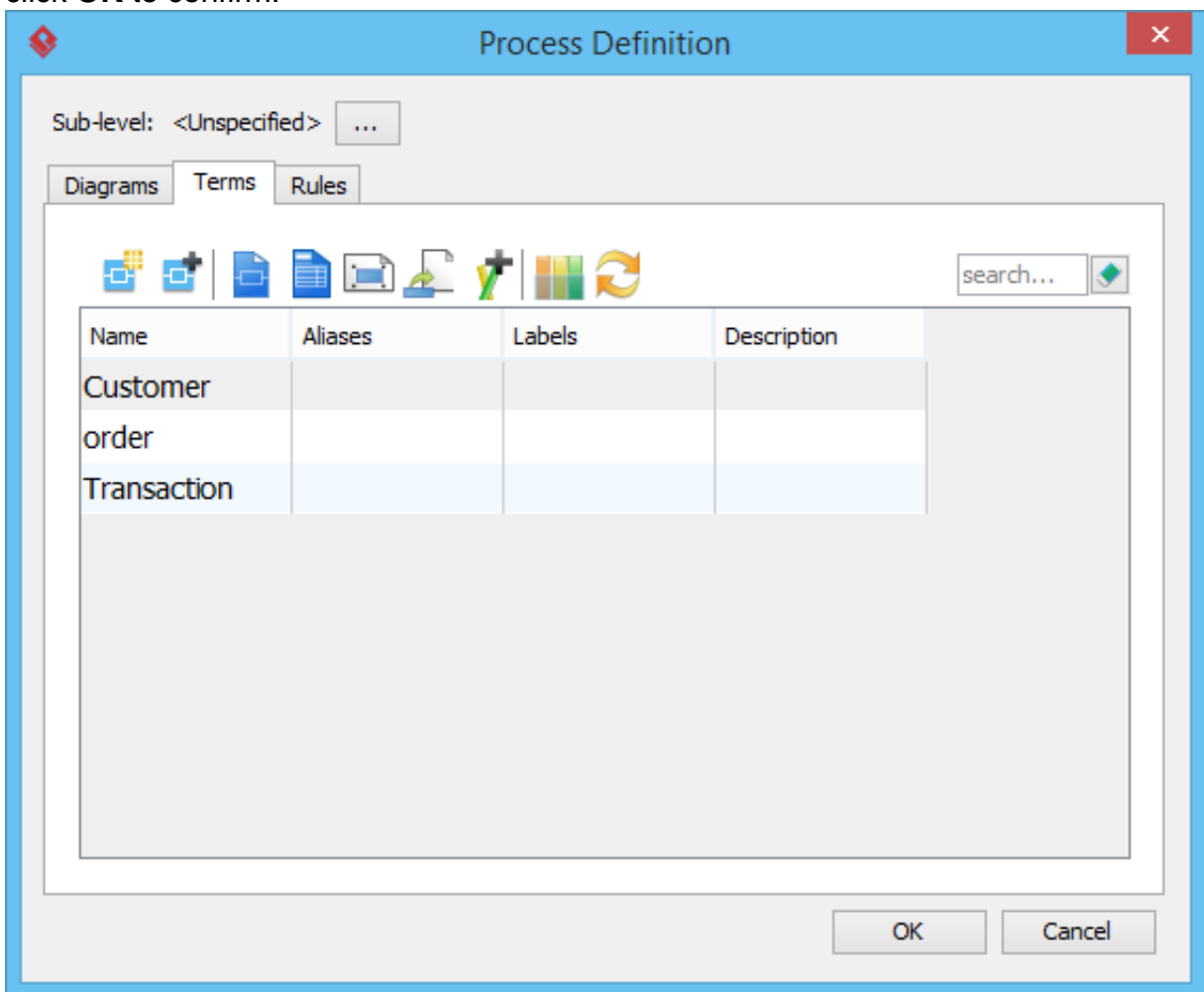
## Add/Edit terms

Here 'terms' refers to glossary terms. You can add terms to a cell.

1. Click on the cell you want to edit.
2. Click on the **Terms** link in the cell.



3. This pops up a window with **Terms** tab selected. If you want to define a term here, click **New Term** in toolbar, which is the first button. Then, enter the name of the term. If you want to add reference to an existing term, click on the **Add Existing Terms** button, which is the second button. Then, select the terms to be added in the popup window and click **OK** to confirm.

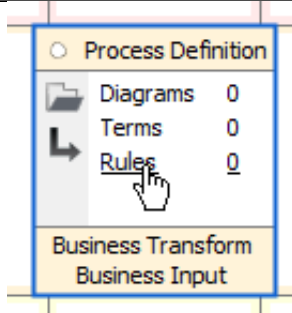


4. Click **OK** to return to diagram. You can see that the symbol in the edited cell is highlighted.

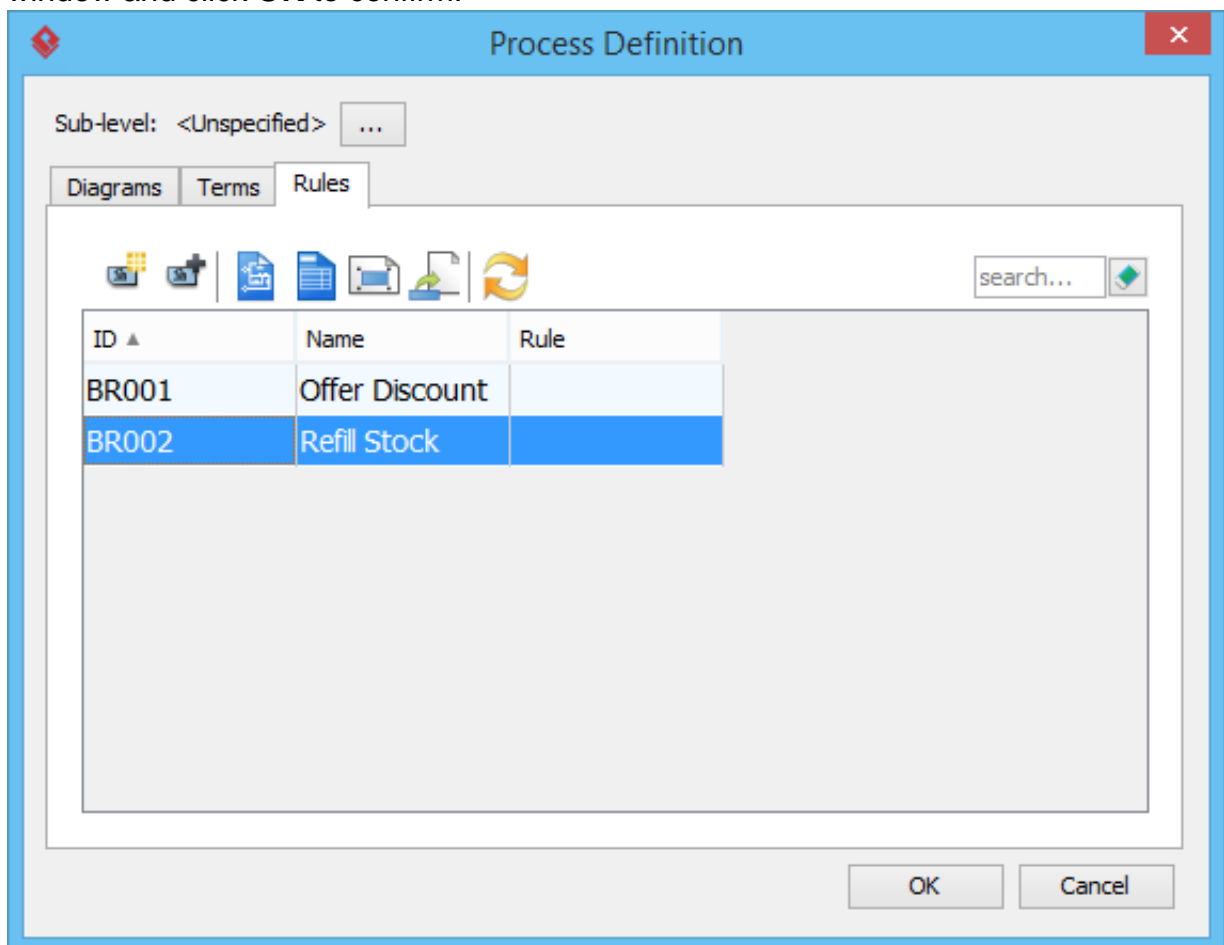
## Add/Edit rules

Business rules can also be added to cell.

1. Click on the cell you want to edit.
2. Click on the **Rules** link in the cell.



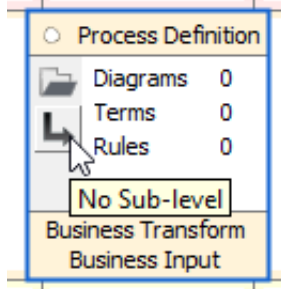
3. This pops up a window with **Rules** tab selected. If you want to define a rule here, click **New Business Rule** in toolbar, which is the first button. Then, enter the name of the rule. If you want to add reference to an existing rule, click on the **Add Existing Rules** button, which is the second button. Then, select the rules to add in the popup window and click **OK** to confirm.



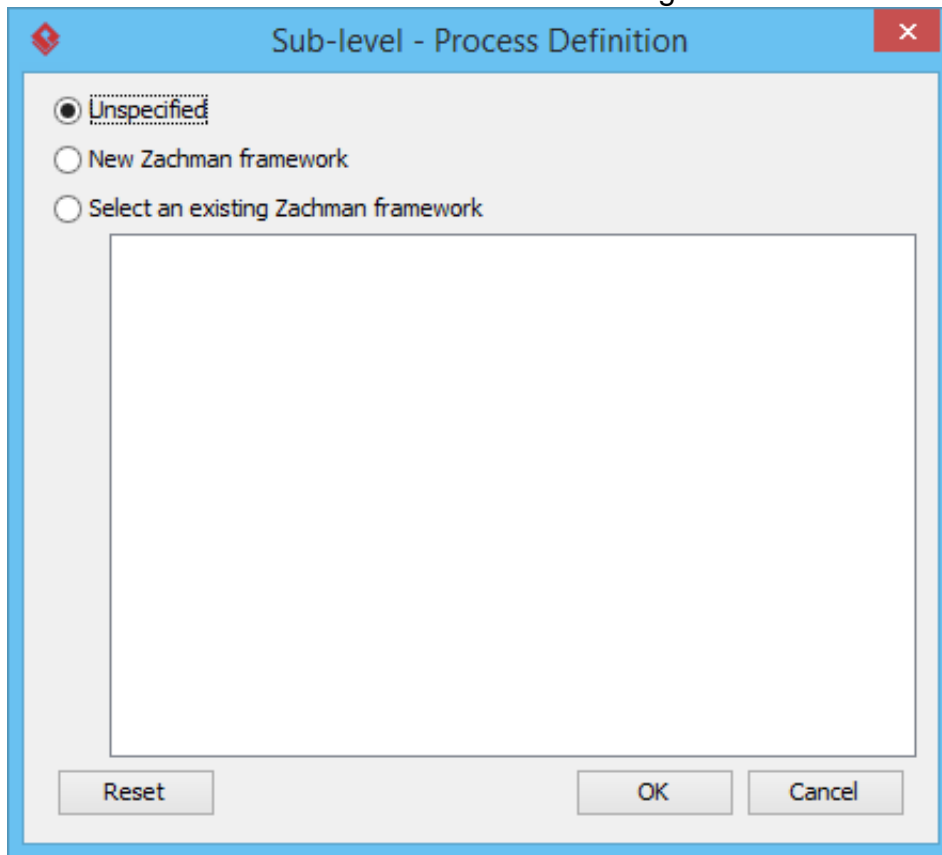
4. Click **OK** to return to diagram. You can see that the symbol in the edited cell is highlighted.

## Establishing a sub-level framework

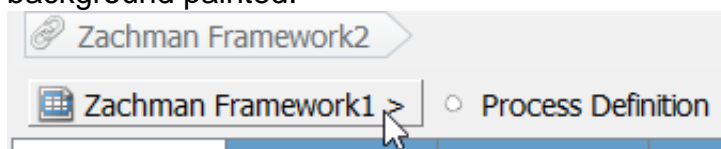
1. Click on the cell you want to edit.
2. Click on the button at the left hand side of the cell for adding sub-level.



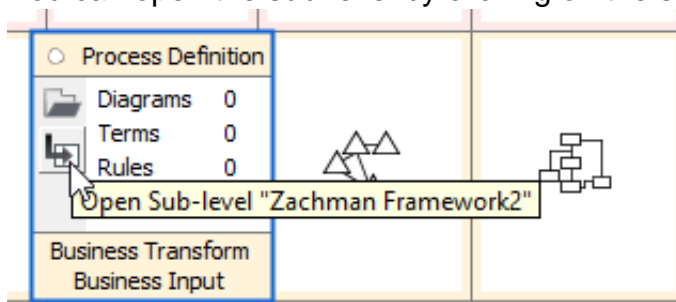
3. In the **Sub-level** window, select either of the following and click **OK**.
- **Unspecified** - Nothing will happen (same as clicking **Cancel** directly)
  - **New Zachman framework** - Create a new Zachman Framework and add it as the sub-level of the editing cell.
  - **Select an existing Zachman framework** - Select a Zachman Framework created before to be the sub-level of the editing cell.



4. Click **OK**. Now, you are on the sub-level. To go back to the previous level, you may click on the link at the top of Zachman Framework. Cells with sub-level added will have their background painted.








You can open the sub-level by clicking on the same button as clicked in step 2.



## Collapsing/Expanding rows/columns








By default, you can see the names, symbols and descriptions in all cells in Zachman Framework. If you want to focus on specific cell, you can collapse the non-related rows and columns to make the remaining cell be focused. Collapsed cells show only the tiny symbol without showing any name and description.

1. To collapse a row, click on its **Collapse** button.

	WHAT	HOW
SCOPE CONTEXTS	 Inventory Identification  Inventory Types	Process Identification  Process Types
BUSINESS CONCEPTS	Inventory Definition  Business Entity Business Relationship	Process Definition  Business Transform Business Input


Similarly, you can click on

the **Collapse** button of column to collapse it.

	WHAT	HOW	WHERE
SCOPE CONTEXTS	 Inventory Identification 		
BUSINESS CONCEPTS	Inventory Definition  Business Entity Business Relationship	Process Definition  Business Transform Business Input	Network Definition  Business Location Business Connection

2. Collapse the non-interested rows and columns to make the interested cell remain expanded and dominate the matrix.

No selected cell

	+	HOW	+	+	+	+	
	+						+
BUSINESS CONCEPTS	□	Process Definition    Business Transform Business Input	△	□	^	○	EXECUTIVE LEADERS AS OWNERS
	+		△	□	~	○	+
	+		△	□	^	○	+
	+						+
	+						+
	+	PROCESS TRANSFORMATIONS	+	+	+	+	

On the contrary, you can click on the **Expand** button (+) to expand rows/columns.