

Customizing the Tree Grid View Definition

Use the following procedure to create a custom Tree Grid View Definition for use with the Dynamic and Streaming Viewers:

1. Create a new Tree Grid View Definition. It is necessary to create a new Tree Grid View Definition rather than copy the default Tree Grid View when a separate Query definition is being used.
2. Assign a **Name** and **Description**. They help identify the purpose of the Tree Grid View for future reference.
3. Choose a Query Definition based on the Base Query (see Section [Base Query Definition](#)). Query Definitions must have the CAD ItemType as the context ItemType.

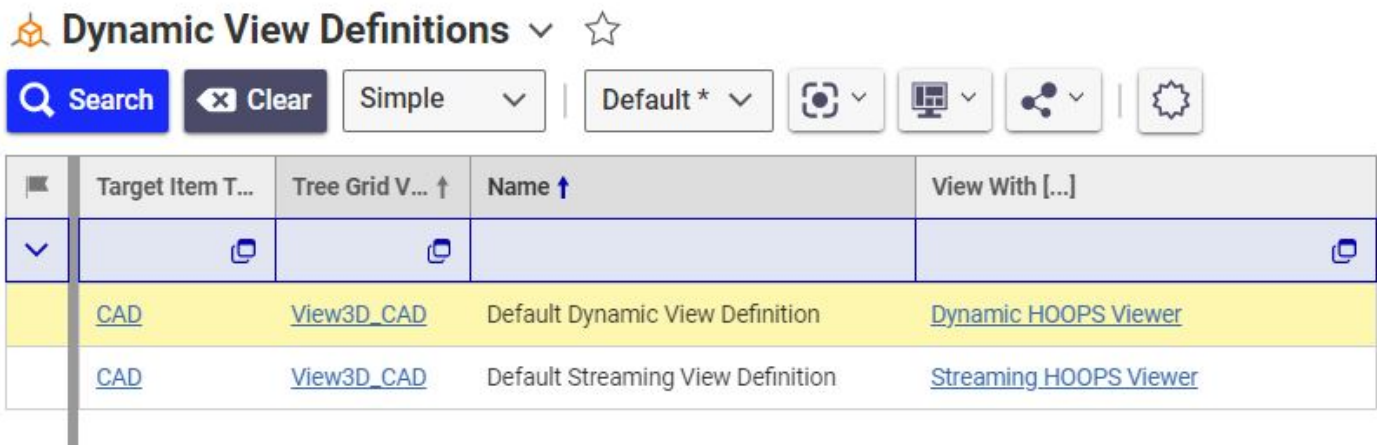
Important

Once a Query Definition is selected and the Tree Grid View Definition saved, the selection of the Query Definition cannot be changed.

After saving the Tree Grid View Definition Item, the Editor View becomes available

4. Assign values for **Max Visible Children On Expand** and **Max Grow Levels**. Refer to section Default Tree Grid View Definition for a description of these values and their effect on the Dynamic and Streaming Viewers.
5. Assign the Query Definition Mappings. Refer to the Tree Grid View Administrator's Guide for a description of how to assign mappings to Query Items. Note that the name of the Tree Grid View Definition appears in the View Selection context menu.
6. Assign a Linked Toolbar/Context Menu. This is required for all Tree Grid Views associated with Dynamic View Definitions, created in the following step. If a Tree Grid View does not contain a Linked Toolbar/Context Menu, the user will receive an error. The default Linked Toolbar/Context Menu, **View3D_CAD** Presentation Configuration, should be reused to maintain access to default Toolbar buttons and Tree Grid View Context Menu, described in section Context Menu Functions.

Create a Dynamic View Definition. The Dynamic View Definitions should be assigned to the specific viewer (Dynamic or Streaming Viewer)




Dynamic View Definitions ☆









Search Clear Simple | Default * | [Icons]





Target Item T...	Tree Grid V... ↑	Name ↑	View With [...]
CAD	View3D_CAD	Default Dynamic View Definition	Dynamic HOOPS Viewer
CAD	View3D_CAD	Default Streaming View Definition	Streaming HOOPS Viewer



7. Click on **New Dynamic View Definition**.

Dynamic View Definitions 

 Search  Clear Simple  | Default *     

	Target Item T...	Tree Grid V... ↑	Name ↑	View With [...]
▼				
	CAD	View3D_CAD	Default Dynamic View Definition	Dynamic HOOPS Viewer
	CAD	View3D_CAD	Default Streaming View Definition	Streaming HOOPS Viewer

8. Enter the **Name** or the Dynamic View Definition Item which is used in the context menu for the Dynamic Viewer /Streaming as shown below.
9. Select the **Tree Grid View Definition**.
10. Select the viewer (**Dynamic** or Streaming) in **View With** field.
11. Assign a **Data Processor** method. "**dpn_GraphAPIQueryProcessorMethod**" is available by **default** to process CAD.



Filtering

 Save  Done  Delete




^ **Dynamic View Definition**









Name
Filtering


Tree Grid View Definition
View3D_CAD 

View With
Streaming HOOPS View 

^ **Data Processor**

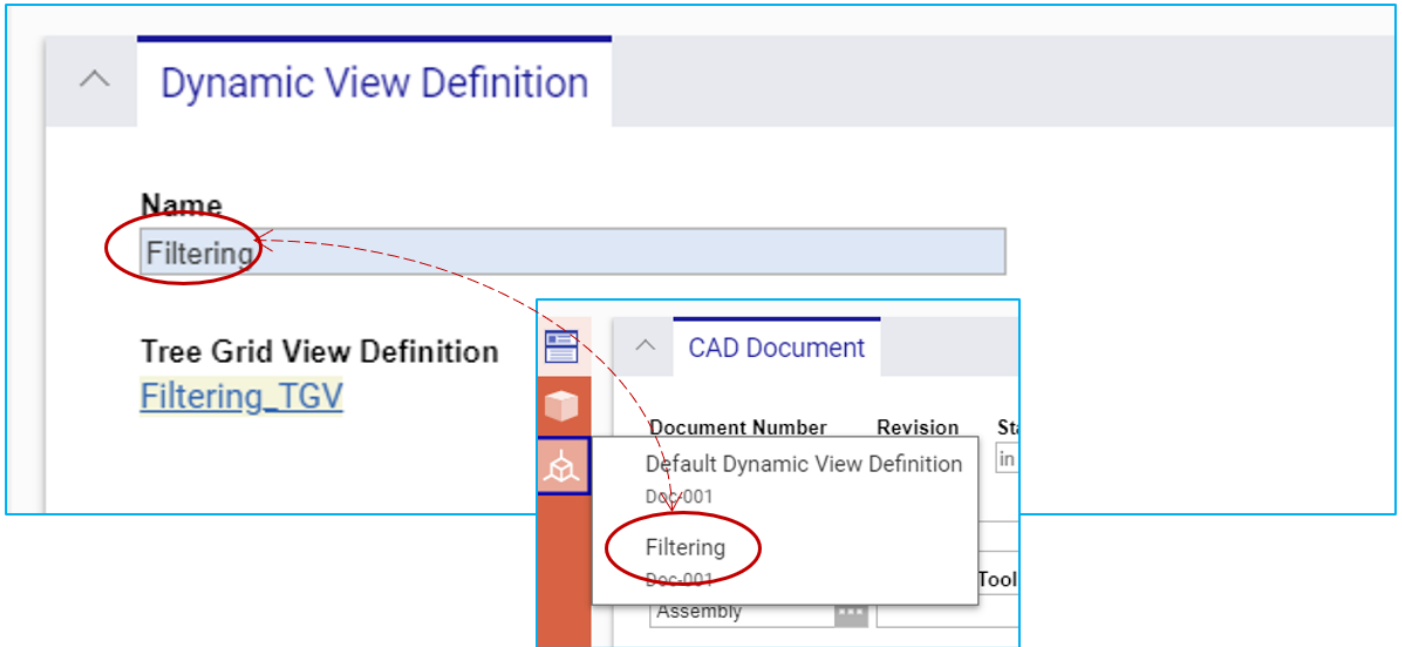
 **Methods**  

  |   **Hidden**  |   

	Name ↑	Method T...	V..	execution_all...	Template [...]	Comments
	dpn_GraphAPIQueryProce...	CSharp	1	World		

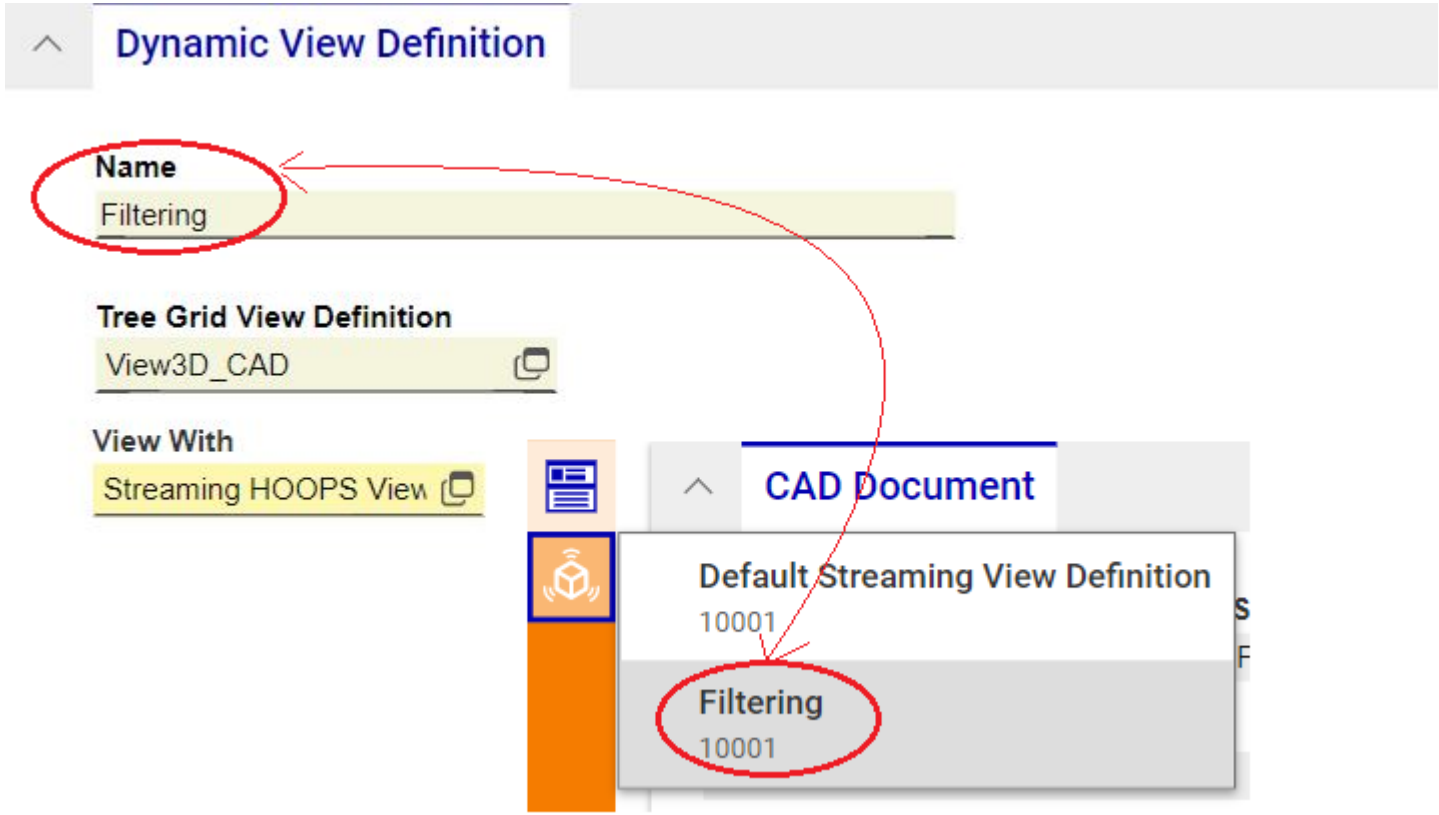
The Dynamic Definition for Dynamic Viewer appears as follows:





The Dynamic View Definition for Streaming Viewer appears as follows:





Important

The CAD Query Item must be mapped for the Tree Grid View to function properly in the Dynamic Viewer and Streaming Viewer.

Once set, the Tree Grid View Definition can be removed by removing the corresponding Dynamic View Definition Item.

