
Command Reference: NewTreeView()

Create a new tree view using a definition file

Version 11.08.00, 2016-01-14

The `NewTreeView()` command creates a tree view, which is a hierarchical listing of time series and graph products. This is helpful to organize output rather than the default list of time series in the order they were created by processing commands. The resulting view is displayed in the **Views** section of the TSTool **Results** area and provides interactive access to data. The view is defined using a simple text file, as shown in the editor below:

Edit NewTreeView() Command

This command creates a new tree view, which is a hierarchical list of time series and visual products. Tree views can be used to improve navigation of output time series (rather than the default list of time series). The input file specifies the organization of time series in the tree using the following syntax:

```
# Comment
# Use tabs to indicate different tree levels
# Use TS: Pattern* to indicate list of time series - match TSID
# Use Product: time series product (*.tsp) filename to process
# For example...
Label: Text for top-level label
    TS: ts1*
    Product: abc.tsp
    Label: Second-level label
        TS: ts2*
```

View ID: Required - unique identifier for the view.

Input file:

Command:

NewTreeView

NewTreeView() Command Editor

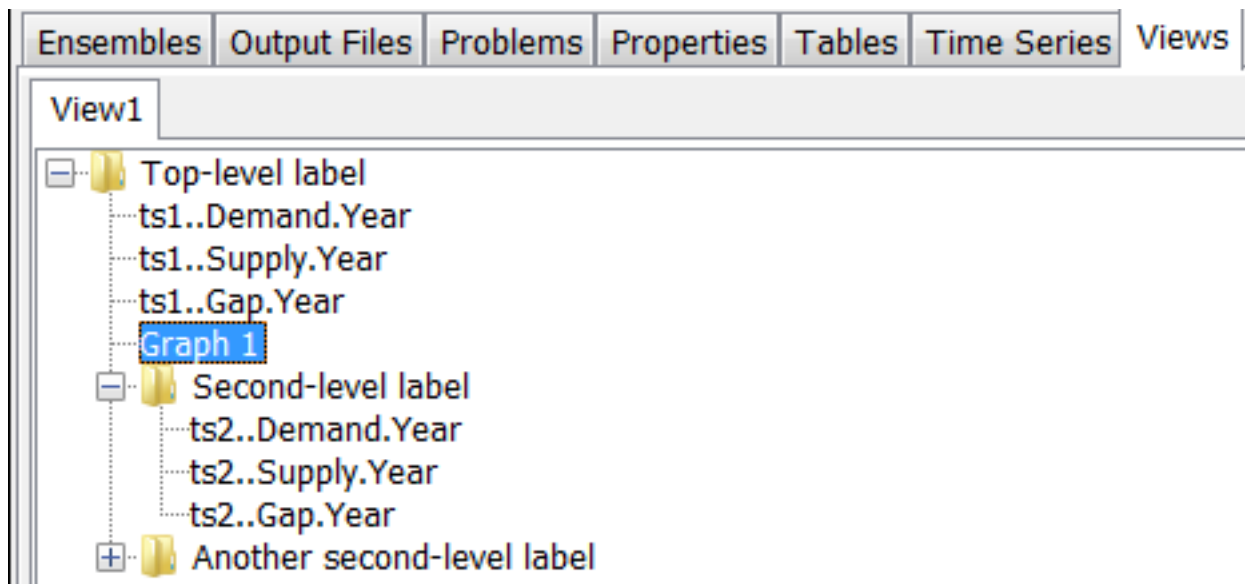
Tree view definition files have the following characteristics:

- Comments are indicated by lines starting with #.
- Indentations indicate the level (branch) in the tree:
 - Use the tab character to indicate indentation
 - The indentation on one row cannot be more than 1 greater than the previous row
- The content for the tree is indicated by keywords:
 - Label: indicates that the string following the colon will be used to label a branch.
 - A single top-level label is required
 - TS: indicates that a time series identifier pattern will be used to identify time series in the tree. Wildcard conventions follow rules consistent with the

TSList=AllMatchingTSID , TSID=... command parameters. The time series can be graphed by right-clicking on one or more selected time series and graphing.

- TSProduct: specify the path to a time series product file as processed by the ProcessTSProduct() command. The path can be specified relative to the command file. All time listed in the file must be found in the results of processing the command file. **Currently functionality is not implemented to re-use the time series product file as a template.**

The following figure illustrates the resulting view that is displayed in TSTool for the above example, using contrived data. One or more time series in the tree view can be selected and right-click used to create a generic graph. Or, right-click on time series product nodes in the tree to process the product. Consequently, the view allows the results of processing to be presented in a way that is more customized than a simple list. It is envisioned that additional functionality will be implemented, for example to output the view as HTML with navigation links.



NewTreeView_Results

Example of Tree View in TSTool Results

The command syntax is as follows:

```
NewTreeView(Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
ViewID	Identifier to assign to the view, which allows the view to be used with other commands. Can be specified with <code>\${Property}</code> notation.	None – must be specified.
InputFile	The name of the view definition file to read, as an absolute path or relative to the command file location. Can be specified with <code>\${Property}</code> notation.	None – must be specified.