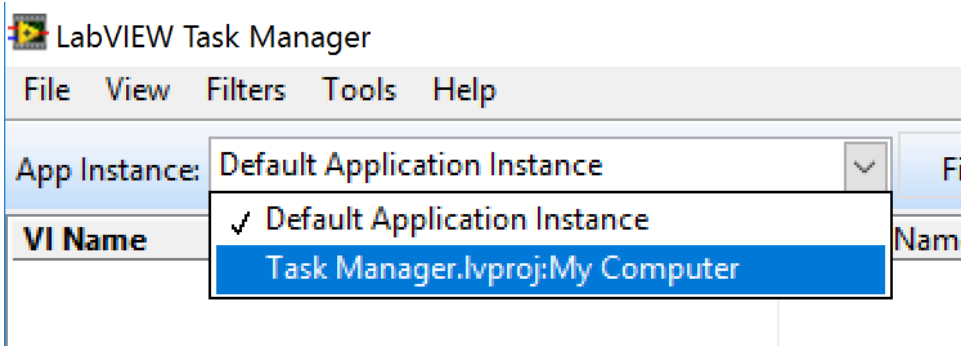
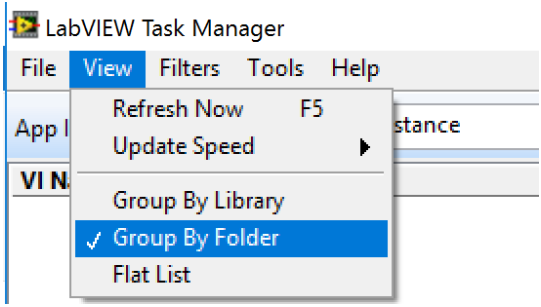
Application Instance



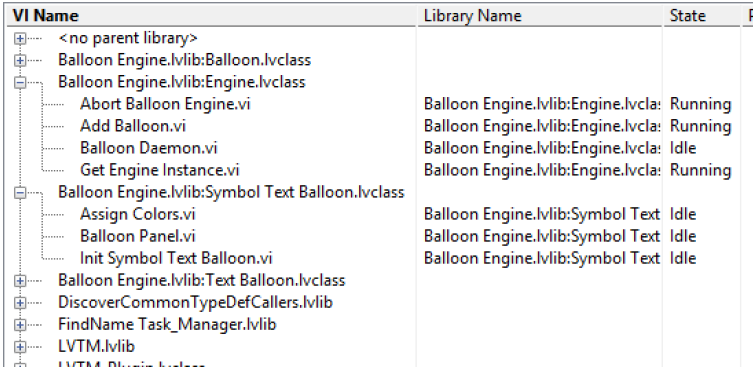
The *LabVIEW Task Manager (LVTM)* detects all open LabVIEW application instances, but discovers and displays VIs for only the selected instance

Menu: View



The View menu provides options to set an update speed for refreshing the view and a few view options

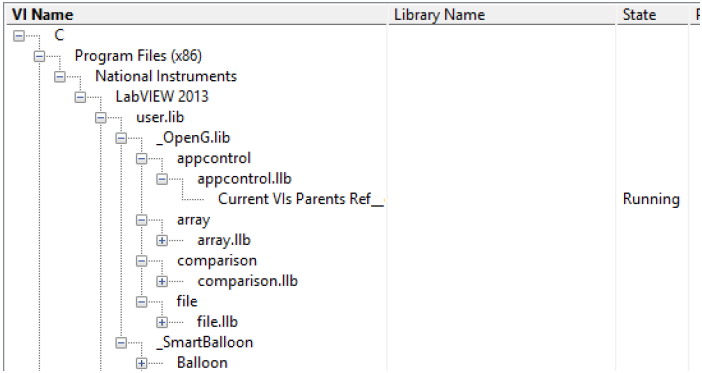
Menu: View>>Group By Library



VI Name	Library Name	State
<no parent library>		
Balloon Engine.lvlib:Balloon.lvclass		
Balloon Engine.lvlib:Engine.lvclass		
Abort Balloon Engine.vi	Balloon Engine.lvlib:Engine.lvcla	Running
Add Balloon.vi	Balloon Engine.lvlib:Engine.lvcla	Running
Balloon Daemon.vi	Balloon Engine.lvlib:Engine.lvcla	Idle
Get Engine Instance.vi	Balloon Engine.lvlib:Engine.lvcla	Running
Balloon Engine.lvlib:Symbol Text Balloon.lvclass		
Assign Colors.vi	Balloon Engine.lvlib:Symbol Text	Idle
Balloon Panel.vi	Balloon Engine.lvlib:Symbol Text	Idle
Init Symbol Text Balloon.vi	Balloon Engine.lvlib:Symbol Text	Idle
Balloon Engine.lvlib:Text Balloon.lvclass		
DiscoverCommonTypeDefCallers.lvlib		
FindName Task_Manager.lvlib		
LVTM.lvlib		

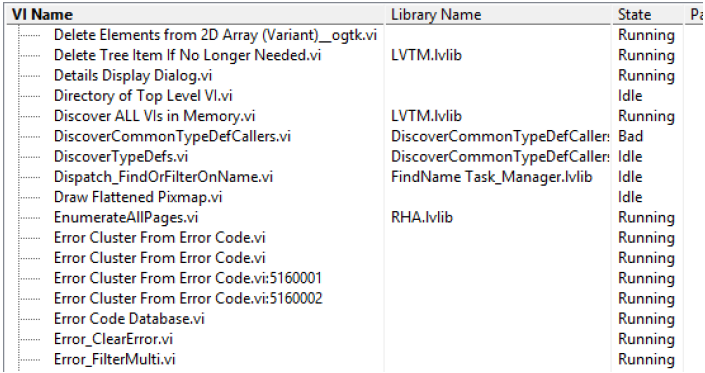
Group By Library displays all VIs in the selected application instance grouped by the library they belong to. All VIs that are not part of any library are shown under <no parent library>.

Menu: View>>Group By Folder



Group By Folder displays all VIs in the selected application instance with their folder hierarchy on disk. This view makes it easy to see where all the project dependencies live on disk.

Menu: View>>Flat List



VI Name	Library Name	State	Pa
Delete Elements from 2D Array (Variant)__ogtk.vi		Running	
Delete Tree Item If No Longer Needed.vi	LVTM.lvlib	Running	
Details Display Dialog.vi		Running	
Directory of Top Level VI.vi		Idle	
Discover ALL VIs in Memory.vi	LVTM.lvlib	Running	
DiscoverCommonTypeDefCallers.vi	DiscoverCommonTypeDefCaller:	Bad	
DiscoverTypeDefs.vi	DiscoverCommonTypeDefCaller:	Idle	
Dispatch_FindOrFilterOnName.vi	FindName Task_Manager.lvlib	Idle	
Draw Flattened Pixmap.vi		Idle	
EnumerateAllPages.vi	RHA.lvlib	Running	
Error Cluster From Error Code.vi		Running	
Error Cluster From Error Code.vi		Running	
Error Cluster From Error Code.vi:5160001		Running	
Error Cluster From Error Code.vi:5160002		Running	
Error Code Database.vi		Running	
Error_ClearError.vi		Running	
Error_FilterMulti.vi		Running	

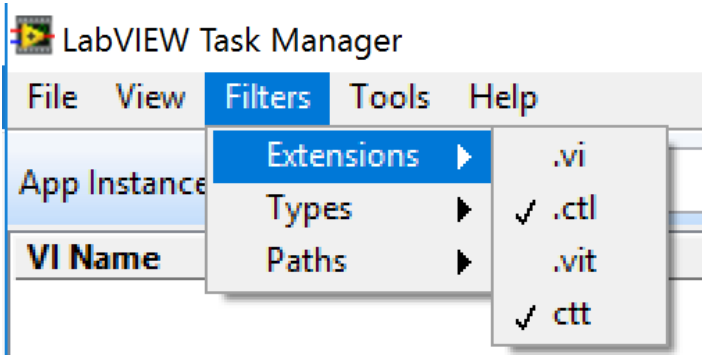
Flat List displays all VIs in the selected application instance as a list. This view can help sorting the view by different properties of the VIs, by clicking on the column headers.

Menu: Filters

- The Filters menu items provides several settings for filtering out items from view. Once all items in memory, for the selected application instance, are displayed in the tree, certain dynamic properties of all VIs (such as State, Paused status, Execution Highlight status, Data size, etc.) are occasionally checked and updated. The more VIs that need to be checked, the more resources are tied up, and the longer each update cycle takes.

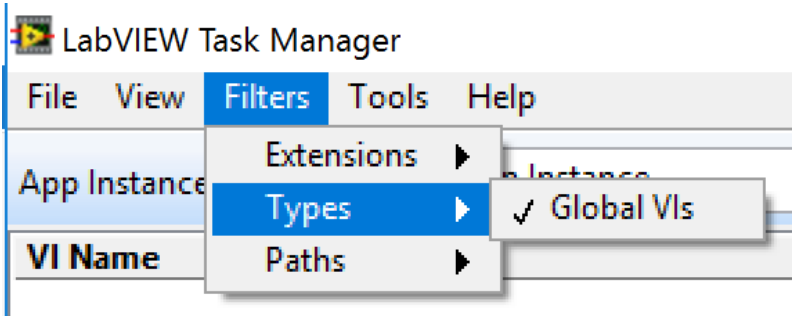
- Filtering out VIs that you don't currently care about can tremendously improve performance of the LVTM. Select (√) the filter options that you want to apply, and all VIs that match these filters will be ignored.

Menu: Filters>>Extensions



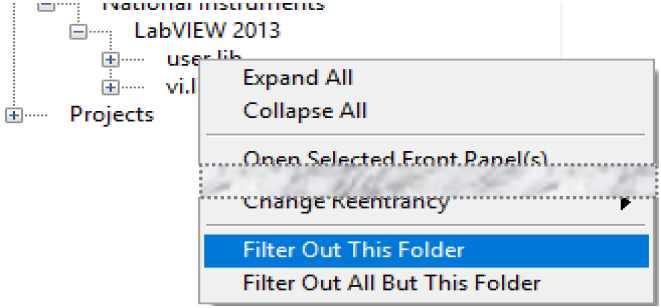
Select (√) the file extensions that you want to filter out of the view. All files with the selected extensions will be ignored.

Menu: Filters>>Types



Select (√) the VI types that you want to filter out of the view. All VIs of the selected type will be ignored.

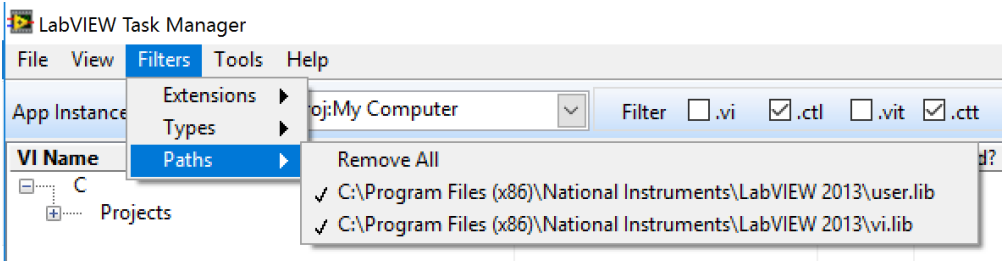
Shortcut Menu: Filter Out …



Although filtered paths can only be added or removed while in the *Group By Folder* view, the hidden paths will persist in other views. This helps the user to de-clutter the view, and can also greatly improve performance.

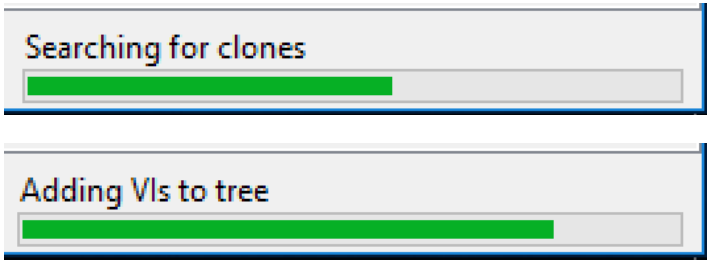
While in the *Group By Folder* view, right click any folder and select *Filter Out This Folder*, adding that folder to an exclusion list. Or you can select *Filter Out All But This Folder*, which will add all remaining folders to the exclusion list. Any VIs in these filtered out folders will no longer show up in the tree.

Menu: Filters>>Paths



- If one or more paths have been filtered out, they will show up under the Filters>>Paths menu. Clicking any of these paths will remove it from the exclusion list, and the view will be immediately updated.
- Selecting *Remove All* will remove all filtered out paths, effectively disabling path based filtering.

Progress Update

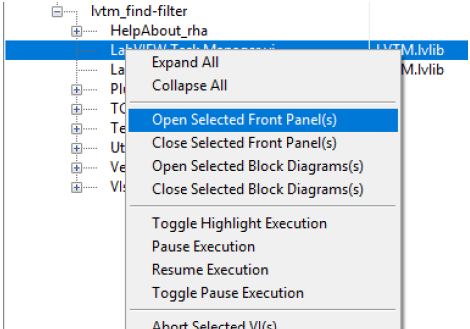


- Any time changes are made to the filters or to the view, the view is refreshed. Discovering all VIs in memory, along with their clones, and then updating the tree view, can take several seconds. A progress bar at the bottom right of the screen, in the status bar, shows the discovery and update progress.

Toolbar

LVTM provides several operations that can be performed on one or more selected VIs in the tree. These operations may be invoked from the toolbar buttons at the bottom of the screen.

These same operations may also be invoked from the right click shortcut menu.



- Open Front Panel(s)
- Close Front Panel(s)
- Open Block Diagram(s)
- Close Block Diagram(s)
- Highlight Execution(s)
- Do Not Highlight Execution(s)
- Pause Execution(s)
- Resume Execution(s)
- Toggle Execution(s)
- Abort VI(s)