**Making the rebinned workspace available in the MantidDock**

**Context:**

The current implementation of the rebinning feature in the VSI creates a rebinned workspace which is hidden from the user. User might want to keep the workspace though. Hence the workspace is made visible and is never deleted.

Sample workspace: Attached to the ticket you should find MDEvent\_Osiris.nxs

Please go through the instructions using once BinMD and once SliceMD. Whenever BINBUTTON is used replace this with BinMD button or SliceMD button

* **Create rebinned workspace and revert**

1. Load the sample workspace into the standard view of the vsi
2. Press the BINBUTTON, use defaults and press ok
   1. Confirm that a rebinned workspace has been created and is visible in the MantidDock
   2. Confirm that there is only one source in the pipelineBrowser
3. Press “Remove Rebinning” under the Rebin button
   1. Confirm that the original workspace is being displayed
   2. Confirm that the rebinned workspace is still in the MantidDock
4. Press the BINBUTTON, use defaults and press ok
5. Press the BINBUTTON and change the settings slightly, press ok ( be careful not to use too many bins (especially in SliceMD)
   1. Confirm that the view looks different
   2. Confirm that there is still only one rebinned workspace in the MantidDock
6. Close the VSI and clear all \_rebinned\_vsi workspaces from MantidDock

* **Create rebinned workspace and reload the rebinned workspace**

1. Load the sample workspace into the standard view of the vsi
2. Press the BINBUTTON, use defaults and press ok
3. Load the rebinned workspace
   1. Confirm that a new source is created. It should look the same as the one that was already there.
   2. Confirm that the rebin options for the new source do not show “Remove Rebinning” (the new source needs to be the active source). If you are dealing with a BinMD workspace you should not have any further bin options. If you are dealing with a SliceMD workspace you should see the option to perform rebinning.
   3. Confirm that the rebin options for the old source show “Remove Rebinning” (the old source needs to be the active source)
4. Close the VSI and clear all \_rebinned\_vsi workspaces from MantidDock

**Note that both sources get their data from the same workspace, hence there is a coupling between them.**

* **Rebinned workspace with filters**
  1. Load the sample workspace into the standard view of the vsi
  2. Add a scale filter (set X Scaling Factor= 2)
  3. Press the BINBUTTON, use defaults and press ok
     1. Confirm that a rebinned and scaled source is created
     2. Confirm that in MantidDock you have a rebinned workspace
  4. Remove the rebinned source
     1. Confirm that you end up with the scaled source.
  5. Close the VSI and clear all \_rebinned\_vsi workspaces from MantidDock
* **Mixed Rebinning**
  1. Load the sample workspace into the standard view of the vsi
  2. Press the BINBUTTON, use defaults and press ok
     1. Confirm that the rebinned workspace is created in MantidDock
  3. Press the other BINBUTTON option (BinMD->SliceMD; SliceMD->BinMD), use defaults and press ok
     1. Confirm that another rebinned workspace is created in MantidDock
     2. Confirm that the source has changed
  4. Close the VSI and clear all \_rebinned\_vsi workspaces from MantidDock

**Testing change to log level for initial view**

Sample workspace: Attached to the ticket you should find MDHisto\_Osiris.nxs

**Context:**

It was agreed to change the log level for initial views from warning to notice

* Start Mantidplot and set in Preferences->MDPlotting->VSI->PreferredInitialView the view to technique-dependent
* Set your log level to notice
* Load the sample workspace MDHisto\_Osiris into the VSI
  + Confirm that not a warning, but rather a notice is given about the initial view when loading the data set