

QGIS Application - Bug report #20239

Raster layer properties dialog cannot be extended

2018-10-27 09:42 PM - Ricardo Silva

Status:	Open	
Priority:	Normal	
Assignee:		
Category:	Rasters	
Affected QGIS version:	3.3(master)	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 28060
Description		
<p>The vector layer properties dialog can be extended by calling <code>QgisInterface.registerMapLayerConfigWidgetFactory()</code></p> <p>Plugin authors can create a class that derives from <code>QgsMapLayerConfigWidgetFactory</code> and implements its virtual methods, especially <code>createWidget()</code> and this allows adding custom panels to the Vector layer properties dialog.</p> <p>Unfortunately it is not possible to extend the Raster layer properties dialog in this way, which kind of feels more like a bug than a missing feature.</p> <p>Looking at QGIS' source code, both <code>QgsRasterLayerProperties</code> and <code>QgsVectorLayerProperties</code> inherit from <code>QgsOptionsDialogBase</code>, so it seems like moving the code that is currently present in the vector layer properties to the base class would fix this. The relevant method is <code>QgsVectorLayerProperties::addPropertiesPageFactory()</code>. This method is only called in <code>QgisApp::showLayerProperties()</code> - currently it is only called for vector layers, but it would be possible to call it also with raster layers</p>		
Related issues:		
Related to QGIS Application - Bug report # 20240: layer properties dialog doe...		Closed 2018-10-27

History

#1 - 2018-10-27 09:55 PM - Ricardo Silva

- Related to Bug report #20240: layer properties dialog does not call widget factory's `supportsLayer()` method added

#2 - 2018-10-27 10:16 PM - Ricardo Silva

Upon closer inspection, it seems `QgsOptionsDialogBase` is very generic and is used in lots of places, so this kind of functionality does not seem like it belongs there. Perhaps a new class that derives from `QgsOptionDialogBase` and is a base for both layer properties dialogs is in order?

#3 - 2018-10-27 11:21 PM - Alessandro Pasotti

Something like `QgsMapLayerPropertiesBase` makes sense to me, would you like to make a pull request?

#4 - 2018-10-27 11:30 PM - Ricardo Silva

Yes, I'm willing to submit a PR. I cannot commit to any date for it though. But I hope to be able to submit it soon :)