

## QGIS Application - Bug report #7341

### mapCanvas refresh does not show newly created features in memory layers

2013-03-13 03:33 AM - Denis Rouzaud

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Map Canvas	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> wontfix
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 16323
<b>Description</b>		
<p>In a plugin, I create a memory layer.</p> <p>Then I add a feature in it (via python).</p> <p>mapCanvas.refresh() does not make the feature visible but mapCanvas.zoomIn/Out() does.</p> <p>This is truly weird, any hint?</p>		

#### History

##### #1 - 2013-05-29 06:44 AM - Denis Rouzaud

calling vectorlayer.setCachedImage( None ) before refresh makes the feature appearing.

##### #2 - 2013-05-29 07:22 AM - Matthias Kuhn

- Target version changed from Version 2.0.0 to Future Release - Nice to have

This would require push-notification (Qt-terminology: signal) from dataprovider to vectorlayer.

##### #3 - 2013-05-29 07:35 AM - Jürgen Fischer

did you add the features to the layer or to the provider? The former would probably have worked without clearing the layer cache manually.

##### #4 - 2013-05-29 07:38 AM - Denis Rouzaud

yes to the provider, with addFeature

##### #5 - 2016-01-10 11:37 AM - Sebastian Dietrich

Jürgen Fischer wrote:

did you add the features to the layer or to the provider? The former would probably have worked without clearing the layer cache manually.

Denis Rouzaud wrote:

| *yes to the provider, with addFeature*

Does that mean it was a misuse of *QgsVectorDataProvider::addFeatures()*, because this function should only be called from a layer and the correct way to add features to a layer in QGIS is to use *QgsVectorLayer::addFeatures()*?

Can this issue be closed then?

**#6 - 2016-01-12 03:05 AM - Jürgen Fischer**

- *Resolution set to wontfix*
- *Status changed from Open to Closed*

Sebastian Dietrich wrote:

| *Does that mean it was a misuse of QgsVectorDataProvider::addFeatures(), because this function should only be called from a layer and the correct way to add features to a layer in QGIS is to use QgsVectorLayer::addFeatures()?*

Well, I wouldn't say misuse - but it's expected behaviour that the layer doesn't notice instantly that the data in the data provider changed. It should be added via vector layer if the intention is to see it right away.