

## QGIS Application - Bug report #15336

### (Shape file) Layer extent not updated on project load

2016-07-25 05:02 AM - Casper Børjesen

<b>Status:</b>	Feedback	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Unknown	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 23268
<b>Description</b>		
<p>I have a QGIS project file with shape file layer A.</p> <p>Shape file layer A contains one feature. I have another shape file B, which is not loaded into the QGIS project, and it contains one feature which is at a different location than the feature in layer A.</p> <p>If I close the QGIS project, switch the names of the two Shape files and open the QGIS project, the zoom-to-extent moves the map to the location of the feature in layer A, but this time its actually layer B, which is loaded in QGIS.</p> <p>Thus the extent of shape file layers in QGIS projects are NOT updated upon loading. Looking at the metadata pane under the layers properties, confirms the wrong extent.</p> <p>Is this the expected behavior?</p>		

#### History

##### #1 - 2016-07-29 03:12 AM - Harrissou Santanna

Yes, I think it's the expected behavior. When you save the project, QGIS also saves the current **map canvas extent**. That does nothing to have with the loaded layer(s). And it's the saved extent that will be shown the next time you open the project. Imagine if anytime you open your project, QGIS zooms to the extent of the loaded layers ignoring that you were working last time on a precise location, It won't be fun nor usable, I guess.

However, when you load the first layer in a **new** and empty project, QGIS by default automatically zooms to its extent. Is it what you are looking for?

##### #2 - 2016-07-29 04:40 AM - Casper Børjesen

Harrissou Santanna wrote:

*Yes, I think it's the expected behavior. When you save the project, QGIS also saves the current **map canvas extent**. That does nothing to have with the loaded layer(s). And it's the saved extent that will be shown the next time you open the project. Imagine if anytime you open your project, QGIS zooms to the extent of the loaded layers ignoring that you were working last time on a precise location, It won't be fun nor usable, I guess.*

*However, when you load the first layer in a **new** and empty project, QGIS by default automatically zooms to its extent. Is it what you are looking for?*

Hi Harrissou.

Well I rewrote the issue a couple of times before posting it, and I probably made the description even worse - Sorry :)

The issue has nothing to do with the extent that QGIS zooms to or shows when loading a project. I'll try to explain the problem in steps:

1. Load layer A into QGIS.
2. Save the project.
3. Close QGIS.
4. Delete the layer A files.
5. Rename the layer B files to the names of the layer A files.
6. Open the QGIS project.
7. Zoom-to-extent of layer A (which is actually now using the layer B data). It zooms to the extent of the original layer A data instead of the layer B data, which is the current data in the layer.

I would expect QGIS to update the layer extent information of all layers when loading the QGIS project.

**#3 - 2017-05-01 01:05 AM - Giovanni Manghi**

- *Easy fix? set to No*
- *Regression? set to No*

**#4 - 2017-09-22 09:55 AM - Jürgen Fischer**

- *Category set to Unknown*

**#5 - 2019-03-09 04:27 PM - Giovanni Manghi**

- *Status changed from Open to Feedback*

Please check if this issue is still valid on QGIS 3.4.5 or 3.6.

Files			
data_A.dbf	76 Bytes	2016-07-25	Casper Børgesen
data_A.prj	143 Bytes	2016-07-25	Casper Børgesen
data_A.shp	252 Bytes	2016-07-25	Casper Børgesen
data_A.shx	108 Bytes	2016-07-25	Casper Børgesen
data_B.dbf	76 Bytes	2016-07-25	Casper Børgesen
data_B.prj	143 Bytes	2016-07-25	Casper Børgesen
data_B.shp	252 Bytes	2016-07-25	Casper Børgesen
data_B.shx	108 Bytes	2016-07-25	Casper Børgesen
project.qgs	8.25 KB	2016-07-25	Casper Børgesen