

QGIS Application - Bug report #18873  
XYZ Tile Server with custom CRS not working in 2.18 LTS

2018-04-28 03:41 PM - Bruce Steedman

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Web Services clients/XYZ	
<b>Affected QGIS version:</b>	3.4.4	<b>Regression?:</b> No
<b>Operating System:</b>	Linux Ubuntu 18.04 LTS	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 26705
<b>Description</b>		
<p>I have added the following URL pattern as an XYZ Tile Server connection:</p> <p><a href="http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer/tile/{z}/{y}/{x}.png">http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer/tile/{z}/{y}/{x}.png</a></p> <p>An example tile is at</p> <p><a href="http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer/tile/0/268/331">http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer/tile/0/268/331</a></p> <p>When I add the layer no tiles are rendered on my map.</p> <p>I have successfully added other tile layers, which work: e.g.</p> <p><a href="https://server.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer/tile/{z}/{y}/{x}.png">https://server.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer/tile/{z}/{y}/{x}.png</a></p> <p>The Map Server I am trying to add uses a custom CRS: EPSG:3109 (which uses a custom map origin). I have this CRS set in my project and on the fly projection enabled.</p> <p>When added, the layer does not pick up the custom CRS, but instead uses EPSG:3857. Changing to the correct CRS in the added layer does not resolve the problem.</p> <p>I note that the Server specifies 9 zoom levels, with 0 scaled at 1:250,000.</p> <p>Does 2.18 LTS support Tile Servers with custom CRS &amp; scales and if not does QGIS 3 do so?</p> <p>Steps to reproduce above and no known workaround.</p> <p>Many thanks.</p>		

History

#1 - 2018-04-30 01:36 PM - Bruce Steedman

Related to #18881 re incorrect crs parsed from ESRI wkt on server.

Also, problem still exists in QGIS v3.02 on Ubuntu 18.04 LTS.

#2 - 2019-01-21 12:35 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

**#3 - 2019-01-21 12:34 PM - Bruce Steedman**

- *File xyz.png added*

Thanks for looking at this Jürgen.

Just tried with 3.4.4 and the same result. Exactly the same steps as before & this time I set the zoom range to 0 to 9, as per the MapServer (see attached image):

[http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014\\_500/MapServer](http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer) (note custom zoom level with 0 being 1:250,000)

However, when I look at the network requests QGIS is making I see requests like this:

GET [http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014\\_500/MapServer/tile/15/16336/16425.png](http://dcw7.digimap.je/arcgis/rest/services/StatesOfJersey/JerseyAerialPhotoOL2014_500/MapServer/tile/15/16336/16425.png) - i.e. a zoom level outside of the 0-9 range.

Question: Can QGIS XYZ tile layers deal with custom zoom levels like this and/or is perhaps the root of the problem that the correct CRS (EPSG:3109) is not being read/converted from the MapServer WKT under the 'Spatial Reference' key?

Many thanks

Bruce

**#4 - 2019-01-21 01:38 PM - Jürgen Fischer**

- *Affected QGIS version changed from 2.18.17 to 3.4.4*
- *Status changed from Feedback to Open*

**Files**

xyz.png	48.7 KB	2019-01-21	Bruce Steedman
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