

QGIS Application - Bug report #8134

WMT-S doesn't draw an image if zoomed in beyond maximum tilematrix

2013-06-21 07:22 PM - Jeremy Palmer

Status:	Closed	
Priority:	Normal	
Assignee:	Jürgen Fischer	
Category:	Web Services clients/WMS	
Affected QGIS version:	master	Regression?: No
Operating System:	ALL	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 16964
Description		
We are developing a new WMTS service and have found QGIS tries to request tiles for levels lower than supported in the GC TileMatrix. I have tested this in ArcMap(!) 10.1 and it works by resampling the lowest provided tiles as you zoom in. With one of our EPSG:3857 tilesets one we zoom in beyond a scale of 1:1690 and nothing displays on the map canvas. This is because QGIS requests tiles that do not exists. e.g ...EPSG:3857/20/516713/328293.png - return HTTP 404 where level 19 is the highest supported. I can provide URLs to our testing site via private email if required (once testing is finished it will be freely available on http://data.linz.govt.nz). Here's the relevant part of the GC doc: <pre><TileMatrixSetLink> <TileMatrixSet>EPSG:3857</TileMatrixSet> </TileMatrixSetLink> <ResourceURL format="image/png" resourceType="tile" template="http://xxxxxx/tiles/v4/layer=552,{style}/{TileMatrixSet}/{TileMatrix}/{TileCol}/{TileRow}.png"/> <ResourceURL format="application/json" resourceType="FeatureInfo" template="http://xxxxxx/wmts/1.0.0/layer/552/featureinfo/{TileMatrixSet}/{TileMatrix}/{TileCol}/{TileRow}.json"/> <ResourceURL format="text/html" resourceType="FeatureInfo" template="http://xxxxxx/wmts/1.0.0/layer/552/featureinfo/{TileMatrixSet}/{TileMatrix}/{TileCol}/{TileRow}.html"/> </Layer> <TileMatrixSet> <ows:Title>GoogleMapsCompatible</ows:Title> <ows:Abstract> The well-known 'GoogleMapsCompatible' tile matrix set defined by the OGC WMTS specification </ows:Abstract> <ows:Identifier>EPSG:3857</ows:Identifier> <ows:SupportedCRS>urn:ogc:def:crs:EPSG:6.18:3:3857</ows:SupportedCRS> <WellKnownScaleSet>urn:ogc:def:wkss:OGC:1.0:GoogleMapsCompatible</WellKnownScaleSet> <TileMatrix> <ows:Identifier>0</ows:Identifier> <ScaleDenominator>559082264.0287178</ScaleDenominator> <TopLeftCorner>-20037508.34278925 20037508.34278925</TopLeftCorner> <TileWidth>256</TileWidth> <TileHeight>256</TileHeight> <MatrixWidth>1</MatrixWidth> <MatrixHeight>1</MatrixHeight></pre>		

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History

#1 - 2013-06-22 01:21 AM - Jürgen Fischer

But there is a TileMatrix 20 in the capabilities, but it has the same scale dominator as 19. So I guess it's undefined which TileMatrix to use at the highest scale.

#2 - 2013-06-22 01:28 AM - Jeremy Palmer

- Resolution set to invalid

Ah thanks. That will be the problem. Sorry. I will contact our service devs.

#3 - 2013-06-22 05:12 AM - Jürgen Fischer

- Status changed from Open to Closed