

QGIS Application - Feature request #21571

GDAL Warp (Reproject) tool: make the target CRS parameter optional

2019-03-13 04:25 AM - Mike Taves

Status: Open	
Priority: Normal	
Assignee: Giovanni Manghi	
Category: Processing/GDAL	
Pull Request or Patch supplied:	Resolution:
Easy fix?: Yes	Copied to github as #: 29387
Description	
<p>With QGIS 3.6, From Raster > Projections > Warp (Reproject), the dialog has a few options with a few of the defaults set in.</p> <p>Source CRS is optional, and the first option is blank. This is appropriate: gdalwarp does not require <code>-s_srs</code>, and does not have a default.</p> <p>However in this dialog, Target CRS has no blank option to choose, and has a default <code>EPSG:4326</code> (?). Note that the command-line tool gdalwarp does not require <code>-t_srs</code>. Therefore it is suggested to add a blank option at the top, and make this the default.</p> <p>Everything else in this dialog looks sufficient, e.g. the default nearest neighbour resample method (<code>-r near</code>) is correct.</p> <p>A work-around is to copy the <code>gdalwarp ...</code> console call at the bottom of the dialog, edit it to remove <code>-t_srs EPSG:4326</code>, and run this command manually.</p>	

History

#1 - 2019-03-13 11:39 AM - Giovanni Manghi

- Status changed from Open to Feedback

However in this dialog, Target CRS has no blank option to choose, and has a default `EPSG:4326` (?). Note that the command-line tool gdalwarp does not require `-t_srs`. Therefore it is suggested to add a blank option at the top, and make this the default.

sorry for the naive question, but if no `t_srs` is set, then in what CRS the input is being reprojected?

#2 - 2019-03-13 08:56 PM - Mike Taves

Giovanni Manghi wrote:

sorry for the naive question, but if no `t_srs` is set, then in what CRS the input is being reprojected?

Fair question. In this case the raster CRS is not changed. A typical user-case for this instance is to resample a raster at a different grid resolution, e.g. to warp a 10x10 m DEM to a 100x100 m DEM using average resample method (`-r average`).

#3 - 2019-03-14 01:03 PM - Giovanni Manghi

- Assignee set to Giovanni Manghi

- Status changed from Feedback to Open

- Subject changed from Warp (Reproject) tool: remove default Target CRS to GDAL Warp (Reproject) tool: make the target CRS parameter optional

- Tracker changed from Bug report to Feature request

