

QGIS Application - Bug report #17781

QgsCoordinateReferenceSystem.fromProj4() does not create user-generated crs (authid() empty)

2018-01-04 12:00 AM - M R

Status: Closed	
Priority: Normal	
Assignee:	
Category: Projection Support	
Affected QGIS version: master	Regression?: No
Operating System: Windows 10	Easy fix?: No
Pull Request or Patch supplied: no	Resolution: invalid
Crashes QGIS or corrupts data: no	Copied to github as #: 25677
Description	
<pre>crs = QgsCoordinateReferenceSystem.fromProj4('+proj=lcc +lat_1=49 +lat_2=44 +lat_0=46.5 +lon_0=3 +a=6370000 +b=6370000 +towgs84=0,0,0 +units=m +no_defs') print(crs.authid()) # empty</pre>	
<p>I'd then like to use the authid when creating an in-memory vector layer. My work-around is to dump the proj4 string directly into the crs argument:</p>	
<pre>layer = QgsVectorLayer('Polygon?crs=PROJ4:' + proj4, 'Layer', 'memory')</pre>	
<p>But this is not how it should be, right?</p>	

History

#1 - 2018-01-04 12:41 AM - Denis Rouzaud

- Assignee deleted (Denis Rouzaud)
- Category changed from Python bindings / sipify to Projection Support

#2 - 2018-01-04 01:47 AM - Nyal Dawson

- Resolution set to invalid
- Status changed from Open to Closed

Just need to tweak your code a bit:

```
crs = QgsCoordinateReferenceSystem.fromProj4('+proj=lcc +lat_1=49 +lat_2=44 +lat_0=46.5 +lon_0=3 +a=6370000 +b=6370000 +towgs84=0,0,0
+units=m +no_defs')
```

```
crs_id = crs.saveAsUserCrs('my super crs!')
```

then

```
other_crs = QgsCoordinateReferenceSystem('user:' + crs_id)
```

will work, same as

```
layer = QgsVectorLayer('Polygon?crs=USER:' + crs_id, 'Layer', 'memory')
```

I.e., it's not automatically saved to the user database - the saveAsUserCrts call is required to do that.