

Application: gvSIG desktop - gvSIG bugs #2970

GeoServer WMS with "all supported EPSG projections"

11/05/2014 12:47 PM - Antonio Falciano

Status:	Closed	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:			
Category:	WMS		
Target version:	2.4.0-2829 (rev. org.gvsig.desktop-2.0.195)		
Severity:	Critical	Add-on version:	
gvSIG version:	2.1.0	Add-on build:	
gvSIG build:		Add-on resolve version:	
Operative System:		Add-on resolve build:	
Keywords:		Proyecto:	
Has patch:		Hito:	
Add-on name:	Unknown		

Description

There are some GeoServer WMS services that support all the EPSG projections in their capabilities. So gvSIG checks all the CRSs "supported" by the service after getting the capabilities and before the user can choose the WMS layer and all its related settings. This is very annoying, because the user has to wait some minutes until he's able to load a WMS layer... perhaps.

From #2659#note-14:

For instance, here's a public WMS using GeoServer that returns this kind of issue.

URL: <http://sitap.beniculturali.it:8080/geoserver/apar.public/wms>

GetCapabilities: <http://sitap.beniculturali.it:8080/geoserver/apar.public/wms?service=wms&request=getcapabilities>

From its capabilities:

```
<!--All supported EPSG projections:-->
```

```
<CRS>AUTO:42001</CRS>
```

```
<CRS>AUTO:42002</CRS>
```

```
<CRS>AUTO:42003</CRS>
```

```
<CRS>AUTO:42004</CRS>
```

```
<CRS>EPSG:WGS84(DD)</CRS>
```

```
<CRS>EPSG:2000</CRS>
```

```
<CRS>EPSG:2001</CRS>
```

```
<CRS>EPSG:2002</CRS>
```

```
...
```

```
<CRS>EPSG:42102</CRS>
```

```
<CRS>EPSG:42306</CRS>
```

```
<CRS>EPSG:42101</CRS>
```

```
<CRS>EPSG:42305</CRS>
```

```
<CRS>EPSG:42304</CRS>
```

```
<CRS>EPSG:42303</CRS>
```

```
<CRS>CRS:84</CRS>
```

What's happen? When we connect to this service, gvSIG downloads the capabilities and then verifies if it supports all these CRSs! But we know that not all CRS (and their relative operation methods) are actually supported in gvSIG (in Proj.4 and GDAL too!). IMHO this strategy is highly inefficient (especially when we have a very long list of CRSs supported by the service), because this check is made before that the user choose the CRS. Instead, I'd let the user to choose the CRS before and gvSIG to verify if this CRS is supported after. If the CRS is convertible in the Proj4 format and we can retrieve its transformation parameters successfully, then we

can load the WMS layer, else a warning should appear saying that the selected CRS is not supported inviting the user to retry again choosing another one or close the wizard.

Associated revisions

Revision 7390 - 07/18/2017 05:41 PM - Joaquín del Cerro Murciano

refs #2970, remove check for supported CRS in WMS

History

#1 - 11/26/2014 04:30 AM - Joaquín del Cerro Murciano

- Target version deleted (2.1.0-2259-rc3)

#2 - 06/10/2015 08:07 PM - Antonio Falciano

gvSIG 1.12 works fine with such kinds of WMS services, while gvSIG 2.1 and 2.2 not. There are a lot of *Can't get proj4 string or I cannot get the transformation between...* errors that freezes the application and ...force the users to use other clients.

#3 - 01/20/2016 12:28 PM - Antonio Falciano

This issue is also present in gvSIG 2.3... IMHO it's very critical because it seems like an infinite loop on CRSs combination, as we can in the console or in a piece of log file.

#4 - 07/17/2017 04:21 PM - Antonio Falciano

- Target version set to 2.4.0-2850-final (rev. org.gvsig.desktop-2.0.220)

- File 2970.patch added

Has patch: Yes

I attach a patch in order to skip the unnecessary CRS bottleneck that blocks GeoServer WMS with "all supported EPSG projections". Result: there will be CRS related warnings/errors only when the user selected CRS (and/or its transformation to WGS84) is not supported.

#5 - 07/17/2017 05:15 PM - Antonio Falciano

- Status changed from New to Fixed

#6 - 07/18/2017 05:49 PM - Joaquín del Cerro Murciano

- Target version changed from 2.4.0-2850-final (rev. org.gvsig.desktop-2.0.220) to 2.4.0-2829 (rev. org.gvsig.desktop-2.0.195)

Parche metido.

#7 - 07/26/2017 08:07 AM - Álvaro Anguix

- Status changed from Fixed to Closed

Files

2970.patch

2.53 KB

07/17/2017

Antonio Falciano