

Application: gvSIG desktop - gvSIG bugs #2672

DBF field names max length is 11 instead of 10

07/14/2014 01:03 PM - Antonio Falciano

Status: Closed	% Done: 100%
Priority: Normal	Spent time: 0.00 hour
Assignee: Joaquín del Cerro Murciano	
Category: Document table	
Target version: 2.1.0-2249-testing	
Severity: Major	Add-on version:
gvSIG version: 2.1.0	Add-on build:
gvSIG build: 2234	Add-on resolve version:
Operative System:	Add-on resolve build:
Keywords: dbf	Proyecto:
Has patch: Yes	Hito:
Add-on name: Unknown	

Description

DBF field names max length is 11, but it should be 10 as defined in the shapefile format specification:
<http://www.esri.com/library/whitepapers/pdfs/shapefile.pdf>

Related issues:

Related to Application: gvSIG desktop - gvSIG bugs # 2856: Can't create a new...	Closed	10/07/2014
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Associated revisions

Revision 41746 - 10/06/2014 11:09 AM - Joaquín del Cerro Murciano

Change DBF field names max length from 10 to 11, refs #2672

Revision 41765 - 10/10/2014 11:07 AM - Joaquín del Cerro Murciano

Correcciones al parche MAX_FIELD_NAME_LENGTH.patch del ticket #2672. refs #2672 , refs #2762, refs #2856.

History

#1 - 07/15/2014 11:58 AM - Antonio Falciano

In fact, if I don't miss something, there is:

```
public static final int MAX_FIELD_NAME_LENGTH = 11;
```

in the following two classes:

- package org.gvsig.fmap.dal.store.dbf, class DBFStoreProvider
- package org.gvsig.fmap.dal.store.dbf.utils, class DbaseFile

Then in

```
package org.gvsig.fmap.dal.store.dbf.utils, class DbaseFileHeader
```

```
if (tempFieldName.length() > 11) {
```

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```
tempFieldName = tempFieldName.substring(0, 11);  
warn("FieldName " + inFieldName + " is longer than 11 characters, truncating to " + tempFieldName);  
}
```

and in

```
package org.gvsig.fmap.dal.store.dbf.utils, private void fillBuffer
```

```
if (fad.getName().length() > 11) {  
    throw new FieldNameTooLongException("DBF file", fad.getName());  
}
```

#2 - 07/22/2014 11:37 AM - Antonio Falciano

- Status changed from New to Awaiting response

The DBF field names max length was 10 in gvSIG 1.x, so this would be a regression for gvSIG 2.1. It can't be considered an enhancement, because there could be interoperability issues with other applications. The DBFs and indirectly the SHPs produced by gvSIG 2.1 are not standard ones right now (build 2238).

#3 - 07/23/2014 03:11 AM - Álvaro Anguix

- Assignee set to Joaquín del Cerro Murciano

#4 - 08/04/2014 05:15 AM - Antonio Falciano

Because interoperability matters, is it suitable for the 2.1.0-rc2?

#5 - 09/02/2014 03:55 PM - Antonio Falciano

- % Done changed from 0 to 100
- Status changed from Awaiting response to New
- File MAX_FIELD_NAME_LENGTH.patch added

I attach a patch that fixes this bug. Hope this helps!

#6 - 09/09/2014 03:44 AM - Álvaro Anguix

- Has patch set to Yes

#7 - 09/26/2014 03:46 AM - Antonio Falciano

- Target version set to 2.1.0-2259-rc3

#8 - 10/06/2014 11:01 AM - Joaquín del Cerro Murciano

- Target version changed from 2.1.0-2259-rc3 to 2.1.0-2248-testing
- Status changed from New to Fixed

#9 - 10/07/2014 12:12 PM - Antonio Falciano

- Target version changed from 2.1.0-2248-testing to 2.1.0-2259-rc3

- Status changed from Fixed to New

It seems that the correction of ExporttoShapeService.java contained in the patch is missing in gvSIG-desktop:r41746, so I have to reopen this ticket. Furthermore, the Export to Shape seems to be broken at the moment (build 2248). I'll open a new ticket about it.

#10 - 10/07/2014 12:25 PM - Antonio Falciano

- Target version deleted (2.1.0-2259-rc3)

- Status changed from New to Fixed

Target version: 2.1.0-testing-2248

I see that the patch of ExporttoShapeService.java is made in gvSIG-desktop:r41745, sorry.

I can't verify if it really works, because I can't export or create new shape layers at the moment (build 2248).

#11 - 10/10/2014 11:11 AM - Joaquín del Cerro Murciano

- Related to gvSIG bugs #2856: Can't create a new shape layer added

#12 - 10/10/2014 11:12 AM - Joaquín del Cerro Murciano

- Target version set to 2.1.0-2259-rc3

#13 - 10/13/2014 04:39 AM - Joaquín del Cerro Murciano

- Target version changed from 2.1.0-2259-rc3 to 2.1.0-2249-testing

#14 - 10/14/2014 09:47 AM - Antonio Falciano

- Status changed from Fixed to Closed

Files

MAX_FIELD_NAME_LENGTH.patch	5.29 KB	09/02/2014	Antonio Falciano
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