

# Application: gvSIG desktop - gvSIG bugs #2944

## Duplicated classes after the update of an addon

10/28/2014 04:32 AM - Antonio Falciano

<b>Status:</b> New	<b>% Done:</b> 0%
<b>Priority:</b> High	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b>	
<b>Category:</b> Add-ons	
<b>Target version:</b>	
<b>Severity:</b> Blocker	<b>Add-on version:</b>
<b>gvSIG version:</b> 2.1.0	<b>Add-on build:</b>
<b>gvSIG build:</b> 2254	<b>Add-on resolve version:</b>
<b>Operative System:</b>	<b>Add-on resolve build:</b>
<b>Keywords:</b> addons, uninstall, usability	<b>Proyecto:</b>
<b>Has patch:</b>	<b>Hito:</b>
<b>Add-on name:</b> Unknown	

**Description**

After the update of the three geoprocesses addons, gvSIG is not restarted in Windows. Then, if I execute gvSIG as admin, gvSIG starts to work again, but all the Geoprocesses classes are duplicated (see the screenshot in attachment). Removing the three extension folders manually and reinstalling them again from the Addons manager solves the issue, but a new user could think that gvSIG is broken.

Related to #2881, #2807 and #2179.

**Related issues:**

Duplicated by Application: gvSIG desktop - gvSIG bugs # 2961: Problema en el ...	<b>Invalid</b>	<b>11/03/2014</b>
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### History

#### #1 - 10/28/2014 04:58 AM - Joaquín del Cerro Murciano

Hola Antonio,

he intentado reproducirlo y no me ha pasado.

He hecho:

- Instalar un gvSIG 2254 en una carpeta nueva.
- Me he cerciorado que en org.gvsig.geoprocess.app.algorithm/lib habian jars version 2.2.12
- He arrancado gvSIG.
- Ir al administrador de complementos filtrar por "Geoprocess" e instalar los tres paquetes de geoprocessos build 2091 (version 2.2.13).
- He cerrado gvSIG y en la carpetate org.gvsig.geoprocess.app.algorithm/lib ya solo habian jars version 2.2.13.

He mirado en el log de gvSIG y aparecia:

```
INFO Instalar paquetes org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard$updatePanel - Package installation initiated
INFO Instalar paquetes org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider - Installing package
'org.gvsig.geoprocess.app.algorithm' in '/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones'.
INFO Instalar paquetes org.gvsig.installer.lib.impl.utils.Decompress - delete
/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones/org.gvsig.geoprocess.app.algorithm
INFO Instalar paquetes org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider - Installing package
'org.gvsig.geoprocess.app.mainplugin' in '/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones'.
```

```
INFO Instalar paquetes org.gvsig.installer.lib.impl.utils.Decompress - delete
/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones/org.gvsig.geoprocess.app.mainplugin
INFO Instalar paquetes org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider - Installing package
'org.gvsig.geoprocess.app.sextante' in '/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones'.
INFO Instalar paquetes org.gvsig.installer.lib.impl.utils.Decompress - delete
/home/usuario/gvSIG-desktop/gvSIG-desktop-2.1.0-2254/gvSIG/extensiones/org.gvsig.geoprocess.app.sextante
INFO Instalar paquetes org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard$updatePanel - Package installation finished
```

Donde indica que antes de instalar intenta borrar la carpeta del plugin.

Yo lo estaba haciendo sobre linux. Igual es algun problema en windows.

Si puedes reproducirlo y adjuntar el log tras la actualizacion de los paquetes a ver si dice algo de que no puede borrar la carpeta del plugin y nos da alguna pista.

#### **#2 - 10/28/2014 05:27 AM - Antonio Falciano**

- File *Geoprocesses\_after\_install\_2254.log* added
- File *gvSIG-installer.log* added
- File *Geoprocesses\_install\_2254.log* added

Hi Joaquín,

the issue persists. In detail, I've followed these steps:

- I've installed a fresh gvSIG 2.1 build 2254;
- I've closed gvSIG and restarted it again as admin;
- I've opened the Addons manager and installed the three updates, then closed gvSIG again (see the first two log files);
- if I try to execute gvSIG as normal user, then it's not executed at all (no gvSIG.log is generated this time);
- if I execute it as admin, then the jars are duplicated (see the latest log file, the after install one).

#### **#3 - 10/29/2014 06:35 PM - Joaquín del Cerro Murciano**

Ya creo que se que esta pasando.

Lo comento en el ticket para no tener que volvero a pensar cuando lo aborde.

Cuando se intenta instalar un paquete de un plugin y ya hay una version de este instalada, lo primero que se intenta hacer es eliminar la carpeta del plugin y luego proceder a instalar el nuevo. Si por lo que sea, falla el borrado, crea un script de ant y lo deja en la carpeta "update" de la instalacion de gvSIG para intentar instalarlo en el siguiente arranque de gvSIG, antes de que se haya ejecutado nada. Esto se hace asi por que en windows, cuando se carga un jar, se bloquea el fichero en disco y no deja eliminarlo hasta que no se cierra la aplicacion que lo ha cargado, con lo que desde el instalador de complementos no se pueden sustituir los jar de gvSIG que ya se han cargado.

El problema es que asi como en el proceso normal se elimina la carpeta del plugin antes de instalarse, el script de ant no lo hace, y eso provoca que se mezclen las dos versiones del plugin en la misma carpeta, haciendo que pueda fallar gvSIG al arrancar.

En linux, por lo menos en ubuntu, el sistema no bloquea el fichero jar al cargar clases de el, y por eso no falla.

#### **#4 - 10/30/2014 04:56 AM - Antonio Falciano**

Hi Joaquín,

I've just installed gvSIG out of the "Program Files (x86)" folder and updated the three Geoprocesses addons successfully: there aren't no duplicated classes in this case. It's clear that the ant script that tries to delete the addon folder is not able to bypass the UAC, even if you run gvSIG with elevated

permissions. So the only workaround to prevent this issue is to do not install gvSIG in the "Program Files (x86)" folder.

**#5 - 11/03/2014 07:20 AM - Álvaro Anguix**

- Related to gvSIG bugs #2961: Problema en el arranque con el último build de geoprosesos en windows added

**#6 - 11/22/2014 12:19 PM - Joaquín del Cerro Murciano**

- Related to deleted (gvSIG bugs #2961: Problema en el arranque con el último build de geoprosesos en windows)

**#7 - 11/22/2014 12:19 PM - Joaquín del Cerro Murciano**

- Duplicated by gvSIG bugs #2961: Problema en el arranque con el último build de geoprosesos en windows added

**#8 - 11/26/2014 04:32 AM - Joaquín del Cerro Murciano**

- Target version deleted (2.1.0-2259-rc3)

**#9 - 12/10/2014 12:23 PM - Álvaro Anguix**

- Category changed from Application to Add-ons

**#10 - 02/26/2015 12:10 PM - Antonio Falciano**

- File gvSIG.log added

Same error in gvSIG 2.1 final after the install of the update of org.gvsig.app.document.layout2.app.mainplugin from the testing repository. Deleting its folder let me to restart gvSIG. So I have to reinstall it again.

I attach the gvSIG.log file.

**#11 - 04/28/2015 07:28 PM - Antonio Falciano**

This serious issue still persists in build 2307 when trying to update tasseledcap, roimask and principalcomponents addons on a Windows 7 machine. The old version of the plugin to update is not removed, so gvSIG is not executed at all after restart. This is the part of the gvSIG.log describing the issue:

```
INFO AWT-EventQueue-0 org.gvsig.installer.lib.impl.DependenciesCalculatorV2 - Packages to install:
plugin org.gvsig.raster.principalcomponents.app.principalcomponentsclient 2.2.7-15 final all all j1_7 required:
org.gvsig.raster.tilecache.app -ge 2.0.0-0, required: org.gvsig.raster.mainplugin -ge 2.0.0-0 required: org.gvsig.raster.tilecache.app -ge
2.0.0-0, required: org.gvsig.raster.mainplugin -ge 2.0.0-0
plugin org.gvsig.raster.tasseledcap.app.tasseledcapclient 2.2.8-13 final all all j1_7 required: org.gvsig.raster.tilecache.app -ge
2.0.0-0, required: org.gvsig.raster.mainplugin -ge 2.0.0-0 required: org.gvsig.raster.tilecache.app -ge 2.0.0-0, required:
org.gvsig.raster.mainplugin -ge 2.0.0-0
plugin org.gvsig.raster.roimask.app.client 2.2.7-14 final all all j1_7 required: org.gvsig.raster.mainplugin -ge 2.0.0-0 required:
org.gvsig.raster.mainplugin -ge 2.0.0-0
```

```
INFO AWT-EventQueue-0 org.gvsig.installer.lib.impl.DependenciesCalculatorV2 - Required packages:
```

```
INFO AWT-EventQueue-0 org.gvsig.installer.lib.impl.DependenciesCalculatorV2 - Unresolved dependencies:
```

```
INFO AWT-EventQueue-0 org.gvsig.installer.lib.impl.DependenciesCalculatorV2 - Conflict packages:
```

```
INFO AWT-EventQueue-0 org.gvsig.installer.lib.impl.DependenciesCalculatorV2 - Attempts Requireds: 1
```

```
INFO Scaricamento file org.gvsig.installer.lib.impl.utils.Download - Downloading file
```

```
gvSIG-desktop-2.2.0-org.gvsig.raster.principalcomponents.app.principalcomponentsclient-2.2.7-15-final-all-all-j1_7.gvspkg from URL
```

```
http://downloads.gvsig.org/download/gvsig-desktop-testing/pool/org.gvsig.raster.principalcomponents.app.principalcomponentsclient/gvSIG-desktop-2.2.0-
```

sktop-2.2.0-org.gvsig.raster.principalcomponents.app.principalcomponentsclient-2.2.7-15-final-all-all-j1\_7.gvspkg, with last modified date: Tue Apr 28 18:15:05 CEST 2015

INFO Scaricamento file org.gvsig.installer.lib.impl.utils.Download - Downloading file gvSIG-desktop-2.2.0-org.gvsig.raster.tasseledcap.app.tasseledcapclient-2.2.8-13-final-all-all-j1\_7.gvspkg from URL http://downloads.gvsig.org/download/gvsig-desktop-testing/pool/org.gvsig.raster.tasseledcap.app.tasseledcapclient/gvSIG-desktop-2.2.0-org.gvsig.raster.tasseledcap.app.tasseledcapclient-2.2.8-13-final-all-all-j1\_7.gvspkg, with last modified date: Tue Apr 28 18:15:05 CEST 2015

INFO Scaricamento file org.gvsig.installer.lib.impl.utils.Download - Downloading file gvSIG-desktop-2.2.0-org.gvsig.raster.roimask.app.client-2.2.7-14-final-all-all-j1\_7.gvspkg from URL http://downloads.gvsig.org/download/gvsig-desktop-testing/pool/org.gvsig.raster.roimask.app.client/gvSIG-desktop-2.2.0-org.gvsig.raster.roimask.app.client-sk.app.client-2.2.7-14-final-all-all-j1\_7.gvspkg, with last modified date: Tue Apr 28 18:15:05 CEST 2015

INFO Installazione pacchetti org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard\$updatePanel - Package installation initiated

INFO Installazione pacchetti org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider - Installing package 'org.gvsig.raster.principalcomponents.app.principalcomponentsclient' in 'C:\Program Files (x86)\gvSIG desktop 2.2.0\gvSIG\extensiones'.

INFO Installazione pacchetti org.gvsig.installer.lib.impl.utils.Decompress - delete C:\Program Files (x86)\gvSIG desktop 2.2.0\gvSIG\extensiones\org.gvsig.raster.principalcomponents.app.principalcomponentsclient

WARN Installazione pacchetti org.gvsig.installer.lib.impl.utils.Decompress - Problems uncompressing plugin (last entry 'org.gvsig.raster.principalcomponents.app.principalcomponentsclient').

java.io.IOException: Unable to delete file: C:\Program Files (x86)\gvSIG desktop 2.2.0\gvSIG\extensiones\org.gvsig.raster.principalcomponents.app.principalcomponentsclient\lib\org.gvsig.raster.principalcomponents.toolbox.algorithm-2.2.6.jar

- at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2279)
- at org.apache.commons.io.FileUtils.cleanDirectory(FileUtils.java:1653)
- at org.apache.commons.io.FileUtils.deleteDirectory(FileUtils.java:1535)
- at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2270)
- at org.apache.commons.io.FileUtils.cleanDirectory(FileUtils.java:1653)
- at org.apache.commons.io.FileUtils.deleteDirectory(FileUtils.java:1535)
- at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2270)
- at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:348)
- at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:135)
- at org.gvsig.installer.lib.impl.DefaultInstallerProviderServices.decompress(DefaultInstallerProviderServices.java:63)
- at org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider.install(PluginInstallerExecutionProvider.java:103)
- at org.gvsig.installer.lib.impl.execution.DefaultInstallPackageService.installPackage(DefaultInstallPackageService.java:284)
- at org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard\$updatePanel.run(ProgressWizard.java:148)

WARN Installazione pacchetti org.gvsig.installer.lib.impl.utils.Decompress - Can't decompress plugin in 'C:\Program Files (x86)\gvSIG desktop 2.2.0\gvSIG\extensiones'.

java.io.IOException: Unable to delete file: C:\Program Files (x86)\gvSIG desktop 2.2.0\gvSIG\extensiones\org.gvsig.raster.principalcomponents.app.principalcomponentsclient\lib\org.gvsig.raster.principalcomponents.toolbox.algorithm-2.2.6.jar

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- at org.apache.commons.io.FileUtils.deleteDirectory(FileUtils.java:1535)
- at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2270)
- at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:348)
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- at org.gvsig.installer.lib.impl.DefaultInstallerProviderServices.decompress(DefaultInstallerProviderServices.java:63)
- at org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider.install(PluginInstallerExecutionProvider.java:103)
- at org.gvsig.installer.lib.impl.execution.DefaultInstallPackageService.installPackage(DefaultInstallPackageService.java:284)
- at org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard\$updatePanel.run(ProgressWizard.java:148)

WARN Installazione pacchetti org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider - Can install package 'org.gvsig.raster.principalcomponents.app.principalcomponentsclient'.

```

org.gvsig.installer.lib.api.execution.InstallPackageServiceException: Error installing a package
  at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:138)
  at org.gvsig.installer.lib.impl.DefaultInstallerProviderServices.decompress(DefaultInstallerProviderServices.java:63)
  at org.gvsig.installer.prov.plugin.execution.PluginInstallerExecutionProvider.install(PluginInstallerExecutionProvider.java:103)
  at org.gvsig.installer.lib.impl.execution.DefaultInstallPackageService.installPackage(DefaultInstallPackageService.java:284)
  at org.gvsig.installer.swing.impl.execution.wizard.ProgressWizard$updatePanel.run(ProgressWizard.java:148)
Caused by: java.io.IOException: Unable to delete file: C:\Program Files (x86)\gvSIG desktop
2.2.0\gvSIG\extensiones\org.gvsig.raster.principalcomponents.app.principalcomponentsclient\lib\org.gvsig.raster.principalcomponents.toolbox.algorithm-2.2.
algorithm-2.2.6.jar
  at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2279)
  at org.apache.commons.io.FileUtils.cleanDirectory(FileUtils.java:1653)
  at org.apache.commons.io.FileUtils.deleteDirectory(FileUtils.java:1535)
  at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2270)
  at org.apache.commons.io.FileUtils.cleanDirectory(FileUtils.java:1653)
  at org.apache.commons.io.FileUtils.deleteDirectory(FileUtils.java:1535)
  at org.apache.commons.io.FileUtils.forceDelete(FileUtils.java:2270)
  at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:348)
  at org.gvsig.installer.lib.impl.utils.Decompress.decompressPlugin(Decompress.java:135)
... 4 more

```

## Files

duplicated_classes.png	120 KB	10/28/2014	Antonio Falciano
Geoprocesses_install_2254.log	353 KB	10/28/2014	Antonio Falciano
gvSIG-installer.log	73.4 KB	10/28/2014	Antonio Falciano
Geoprocesses_after_install_2254.log	318 KB	10/28/2014	Antonio Falciano
gvSIG.log	374 KB	02/26/2015	Antonio Falciano