



Piloto gvSIG Mobile

Manual de Instalación. Versión 2





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Documentación instalación gvSIG Mobile

Introducción

El prototipo **gvSIG Mobile** es un software desarrollado en Java para la visualización y gestión de Información Geográfica en dispositivos móviles (en adelante PDA). Este documento presenta el proceso de instalación de gvSIG Mobile en la PDA, así como el exportador de proyectos, de forma automática, de gvSIG Desktop a gvSIG Mobile.

Para diferenciar el prototipo (gvSIG Mobile) de la aplicación gvSIG, se ha renombrado esta última en todo el documento como gvSIG Desktop.

Instalación Rápida de gvSIG Mobile en la PDA

En este apartado se explica como instalar gvSIG Mobile para la Máquina Virtual Java (en adelante JVM) instalada en el dispositivo.

Existen los siguientes instaladores en función de la JVM de la que disponga el dispositivo destino:

- gvSIG Mobile con PhoneMe. (Si no hay ninguna de las JVM se puede instalar directamente gvSIG con la JVM PhoneMe en un solo instalable)
- gvSIG Mobile para J9. (Si el dispositivo tiene ya instalada esta JVM)
- gvSIG Mobile para PhoneMe. (Para instalarla se puede seguir los pasos del apartado previo).

Las máquinas virtuales se explican más adelante en este manual, si se escoge descargar el instalador de gvSIG Mobile independiente para alguna de estas máquinas virtuales, habrán de estar instaladas en el dispositivo para que gvSIG Mobile pueda funcionar. Más adelante en el manual se explica como instalar alguna de estas JVM.

Una vez conocido el instalador adecuado que debemos de descargar, seguir las instrucciones adecuadas. En caso de escoger la instalación rápida, en solo tres pasos se dispondrá de gvSIG Mobile listo para funcionar.

NOTA:

- Si *PhoneMe* y *J9* están disponibles ambas en el dispositivo, *gvSIG Mobile* utiliza por defecto la JVM por defecto del instalador descargado, aunque si no encuentra esta máquina virtual, prueba a ejecutarse con la otra JVM alternativa, aunque no se asegura un correcto funcionamiento.

Instalación Rápida gvSIG Mobile con Máquina virtual de SUN PhoneMe incluida

Primer Paso: Descargar el instalador de gvSIG Mobile

Para descargar el instalador de gvSIG Mobile hay que acceder a la página de **gvSIG**.

<http://www.gvsig.gva.es/index.php>

Si se accede a esta página se muestra una imagen similar a la siguiente.



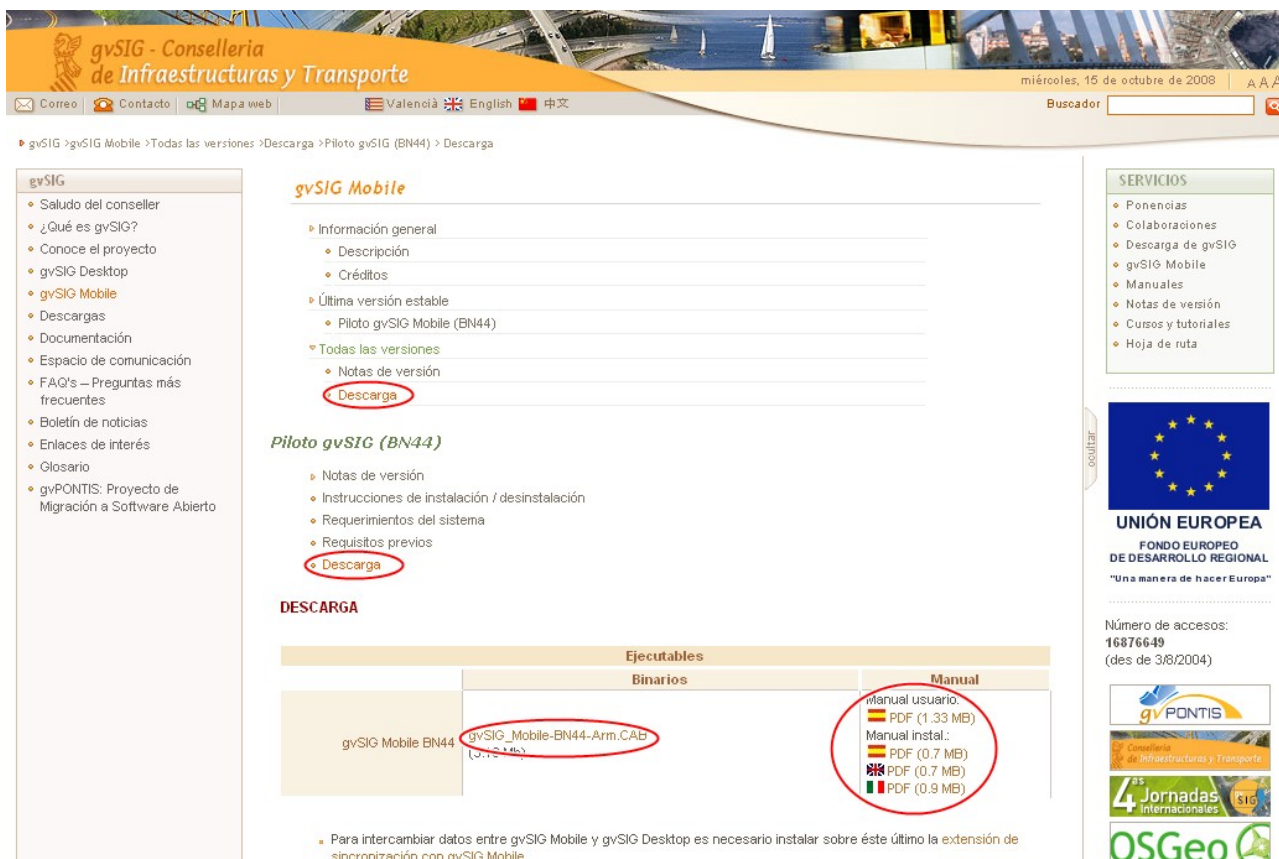
Página web dedicada a gvSIG.

A continuación acceder a la sección de **gvSIG Mobile**, para buscar el instalador correcto, el instalador con extensión **.CAB** que está preparado para el caso particular existente en nuestro dispositivo:

- *gvSIG_Mobile_with_PhoneMe.BNxx.Arm.CAB* **Seleccionamos este enlace de descarga para la instalación rápida**
- *gvSIG_Mobile_to_J9.BNxx.Arm.CAB* Si nuestro dispositivo ya tiene instalado la JVM IBM J9.

- *gvSIG_Mobile_to_PhoneMe.BNxx.Arm.CAB* Si nuestro dispositivo ya tiene instalado la JVM SUN PhoneMe.

Al acceder a la sección de descargas veremos una imagen similar a la siguiente.



gvSIG - Conselleria de Infraestructuras y Transporte

miércoles, 15 de octubre de 2008

Correo Contacto Mapa web Valencià English 中文

gvSIG > gvSIG Mobile > Todas las versiones > Descarga > Piloto gvSIG (BN44) > Descarga

gvSIG

- Saludo del conseller
- ¿Qué es gvSIG?
- Conoce el proyecto
- gvSIG Desktop
- gvSIG Mobile**
- Descargas
- Documentación
- Espacio de comunicación
- FAQ's - Preguntas más frecuentes
- Boletín de noticias
- Enlaces de interés
- Glosario
- gvPONTIS: Proyecto de Migración a Software Abierto

gvSIG Mobile

- Información general
 - Descripción
 - Créditos
- Última versión estable
 - Piloto gvSIG Mobile (BN44)
- Todas las versiones
 - Notas de versión
 - Descarga**

Piloto gvSIG (BN44)

- Notas de versión
- Instrucciones de instalación / desinstalación
- Requerimientos del sistema
- Requisitos previos
- Descarga**

DESCARGA

Ejecutables		Manual
	Binarios	
gvSIG Mobile BN44	gvSIG_Mobile-BN44-Arm.CAB	Manual usuario: PDF (1.33 MB) Manual instal.: PDF (0.7 MB) PDF (0.7 MB) PDF (0.9 MB)

Para intercambiar datos entre gvSIG Mobile y gvSIG Desktop es necesario instalar sobre éste último la extensión de sincronización con gvSIG Mobile.

SERVICIOS

- Ponencias
- Colaboraciones
- Descarga de gvSIG
- gvSIG Mobile
- Manuales
- Notas de versión
- Cursos y tutoriales
- Hoja de ruta

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gvPONTIS

4^{as} Jornadas Internacionales SIG

OSGeo

Descarga de instalador y manuales de aplicación.

Se recomienda también la descarga de los manuales de la aplicación (*Incluyendo el presente manual*), cuyos enlaces de descarga se encuentran en la misma página que permite la descarga de los diferentes instaladores.

Segundo Paso: Sincronizar con el Dispositivo PDA

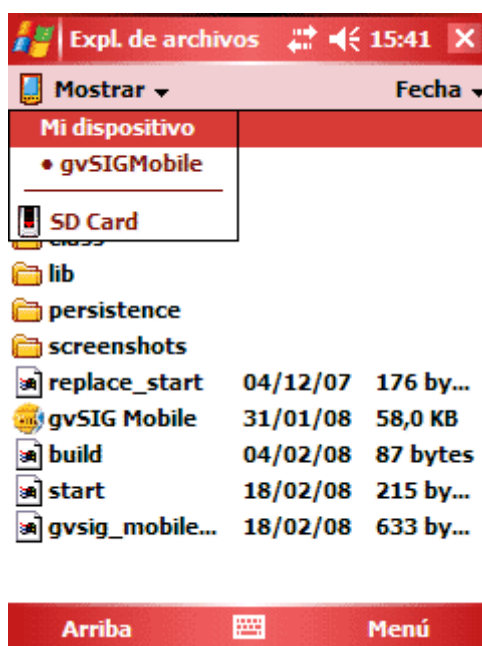
Se copia a continuación el instalable recién descargado a la memoria de la PDA. La forma de transferir los ficheros desde el PC hasta la PDA dependerá del sistema operativo utilizado. En las figuras que se presentan la instalación se realiza desde un equipo con *Windows XP con ActiveSync 4.5* y *WM 5*

Tercer Paso: Instalar gvSIG Mobile desde la PDA

Para comenzar la instalación, buscar en el Explorador de Ficheros de la PDA, el lugar donde se ha copiado el instalable

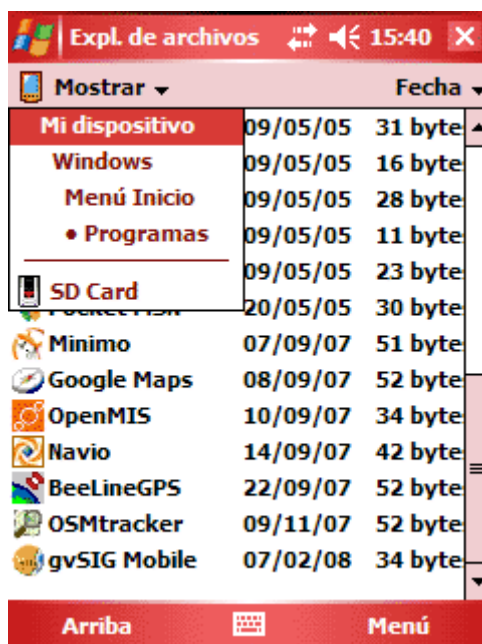
gvSIG_Mobile_with_PhoneMe.BNxx.Arm.CAB, y ejecutarlo.

En caso de tener disponible algún módulo externo de memoria (Tarjeta SD, etc.), la instalación pregunta si se desea instalar la aplicación en el dispositivo principal o en algún dispositivo secundario detectado, para ahorrar la memoria principal del dispositivo. Seleccionar la opción deseada.



Directorio de instalación de gvSIG Mobile.

Automáticamente se instala en el dispositivo, creará un nuevo acceso directo con el icono de *gvSIG* en el menú programas.



Acceso directo de gvSIG Mobile en el menú de inicio.

Una vez instalados los ficheros, basta ejecutar **gvSIG Mobile.exe** para arrancar la aplicación.



Inicio de gvSIG Mobile.

En el caso de que suceda algún problema en el proceso de ejecución de gvSIG Mobile, hay un archivo *log* que registra el procesos de lanzamiento y te muestra los posibles errores. Este archivo se encuentra en la carpeta de instalación y tiene el nombre de **gvsig_mobile_launch.log**

La máquina virtual J9



Actualmente, gvSIG Mobile funciona correctamente con la **máquina virtual J9** desarrollada por IBM. En la versión anterior del piloto que funcionaba en exclusiva con esta máquina virtual era posible descargarla desde la web de IBM. Lamentablemente, ya no está disponible el enlace de descarga, aunque se mantiene la compatibilidad con la JVM de IBM, no es posible mostrar en este manual un proceso de instalación a seguir. Si se dispone de esta JVM ya instalada, no necesita descargar otra, o por el contrario piensa obtener esta JVM, gvSIG Mobile es compatible.

Una vez instalada JVM IBM J9 en el dispositivo, realizamos los siguientes pasos para instalar la versión de gvSIG Mobile compatible con J9.

Descargar de la página web de gvSIG, si no se hizo ya en el paso anterior, el instalable de gvSIG compatible con IBM J9

- **gvSIG_Mobile_to_J9.BNxx.Arm.CAB** **Descargar para un correcto funcionamiento en J9**

Para concluir la instalación de gvSIG Mobile, seguir los pasos **Segundo** y **Tercero** del apartado anterior.

La máquina virtual PhoneMe



Actualmente el proyecto **PhoneMe Advanced** es la nueva JVM de **Sun** en desarrollo para dispositivos móviles. Se encargan de su desarrollo *Hinkmond Wong* y *Davy Preuveneers*. En el caso de *gvSIG Mobile* se ha trabajado en contacto más cercano con *Davy Preuveneers* que está activamente relacionado con el desarrollo de la JVM CDC con Personal Profile.

A diferencia de **J9**, la JVM de **IBM**, **PhoneMe** tiene licencia GPL y es de libre distribución. Esta JVM de reciente creación, es posible instalarla por separado de *gvSIG Mobile*, aunque también se distribuye un instalador de *gvSIG Mobile* con la máquina virtual **PhoneMe** incluida.

La opción de instalación por separado, permite actualizar la JVM a medida que se saquen nuevas versiones de ellas, sin necesidad de desinstalar *gvSIG Mobile*.

Por otro lado, la opción de instalación de *gvSIG Mobile* con la máquina virtual **PhoneMe** incluida, asegura la instalación de la versión de la JVM con el funcionamiento probado por los desarrolladores con la aplicación.

La aplicación *gvSIG Mobile* utiliza *PhoneMe CDC con Personal Profile*, esta JVM es posible utilizarla en PDA's y SmartPhones con Sistema Operativo (en adelante SO) *Windows Mobile*.

NOTA:

- La compatibilidad de *gvSIG Mobile* con las distintas versiones de *Windows Mobile* (en adelante WM) empieza a partir de WM 5.
- Para versiones de WM 6 o superior el correcto funcionamiento depende en gran medida del desarrollo de la JVM para el SO.

- Las versiones del SO *WM CE* y *WM 2003* ya más antiguas y limitadas, tienen algunas capacidades del programa no disponibles o puede que no presenten 100% de comportamiento correcto, no se asegura, por tanto, la compatibilidad para estos SO.
- Se irá añadiendo compatibilidad con otros SO, como por ejemplo *Adroid* de **Google**, y versiones más limitadas para *CLDC* en dispositivos móviles comunes.

Instalación de la máquina virtual PhoneMe

Si se toma la decisión de instalar la JVM de **PhoneMe** por separado de la aplicación *gvSIG Mobile*, a continuación se detalla los pasos para descargar e instalar en el dispositivo.

Primer Paso: Descargar la JVM

PhoneMe dispone de una página para descargar los instalables ficheros **CAB** para *Windows Mobile*, da soporte para varias versiones de este SO. Hay que seleccionar la adecuada al SO del dispositivo al que se va a instalar la aplicación. Para *gvSIG Mobile* son válidas las JVM a partir de la preparada para *WM2003*

Además también se diferencia entre varias JVM, en función del dispositivo y la capacidad de la JVM. Para poder ejecutar *gvSIG Mobile* es necesaria la JVM *PhoneMe para CDC con Personal Profile*, una de las más completas para dispositivos móviles.

Seleccionar la JVM correcta y descargarla.

Acceder para ello a la página de Davy:

<http://www.cs.kuleuven.be/~davy/phoneme/downloads.htm>

Se verá de forma similar a la pantalla que se muestra a continuación.

phoneME for Windows CE, PocketPC and Windows Mobile

The open source Java ME application platform for your windows mobile phone

[Home](#) | [Sources](#) | [phoneME Feature](#) | [phoneME Advanced](#) | [Screenshots](#) | [Other](#) | [Downloads](#)

For those of you who do not feel like compiling the software yourself, I have provided development builds of the different profiles for Windows Mobile and Windows CE. Note that a typical Windows CE image is customized by the hardware manufactures to only include the software components they need. It is possible that the builds below do not work if the DLL requirements cannot be fulfilled. These builds typically need at least `AYGSHLL.DLL` and `GX.DLL`.

Other issues are described at the following wiki page: <http://wiki.java.net/bin/view/Mobileandembedded/PhoneMEAdvancedWindowsMobile>

Windows Mobile 6 and higher

For now, use the Windows Mobile 5 builds.

Windows Mobile 5

- phoneME Feature - CLDC rev14328 (zip) (cab)
- phoneME Feature - MIDP rev14328 (zip) (cab)
- phoneME Advanced - CDC b91 (zip) (cab)
- phoneME Advanced - Foundation b91 (zip) (cab)
- phoneME Advanced - Personal Profile b91 (zip) (cab) ← **Download!!!**
- phoneME Advanced Dual Stack - Foundation b91 (with MIDP support) (zip) (cab)

Note that for the pMEA PP build, the AWT will not work reliably whenever one of the unimplemented stubs is used.

Windows Mobile 2003

Página de descarga de PhoneMe.

Segundo Paso: Sincronizar con el Dispositivo PDA

Se copia a continuación el instalable recién descargado a la memoria de la PDA. La forma de transferir los ficheros desde el PC hasta la PDA dependerá del sistema operativo utilizado. En las figuras que se presentan la instalación se realiza desde un equipo con *Windows XP con ActiveSync 4.5* y *WM 5*

Tercer Paso: Instalar la JVM en la PDA

Para comenzar la instalación, buscar en el Explorador de Ficheros de la PDA, el lugar donde se ha copiado el instalable **CAB**, y ejecutarlo.

En caso de tener disponible dispositivo externo de memoria (Tarjeta SD, etc.), la instalación pregunta si se desea instalar en el dispositivo principal o en el secundario, para ahorrar la memoria principal del dispositivo. Automáticamente se instala en el dispositivo, crea una nueva carpeta *phoneme* y ya permite el uso de la máquina virtual.

Una vez instalada JVM SUN PhonMe en el dispositivo, realizamos los siguientes pasos para instalar la versión de gvSIG Mobile compatible con PhoneMe.

Descargar de la página web de gvSIG, si no se hizo ya en el paso anterior, el instalable de gvSIG compatible con SUN PhoneMe

- *gvSIG_Mobile_to_PhoneMe.BNxx.Arm.CAB* **Descargar para un correcto funcionamiento en PhoneMe**

Para concluir la instalación de gvSIG Mobile, seguir los pasos **Segundo** y **Tercero** del apartado **Instalación Rápida de gvSIG Mobile**.

Instalación de la extensión de exportación en gvSIG desktop

El prototipo se completa con una extensión para gvSIG Desktop que permite a partir de una vista con diferentes capas tanto vectoriales como raster, generar una carpeta de exportación con la información geográfica seleccionada, así como el fichero de proyecto de gvSIG Mobile, listo para ser enviado a la PDA.



Instalador de la extensión.

El proceso de instalación de esta extensión es similar al de cualquier otra extensión de gvSIG Desktop. Es decir, mediante un sencillo instalador multiplataforma se coloca la extensión sobre una instalación previa de gvSIG Desktop.

La extensión es compatible con gvSIG Desktop **1.1** y siguientes.

Exportar gvSIG mobile

Nombre Proyecto:

Carpeta destino: ...

Zona a Exportar

☒ Vista Actual ☐ Encuadre

Capas

☒	Tipo	In View	Nombre	Atributos	Exportar
☒			municipios.shp	4/9 ...	Toda la capa ▾
☒			municipios_cv.shp	9/9 ...	Cortar ▾
☒			vic_manza.shp	2/3 ...	Seleccion ▾

Ejecutar Cerrar Abrir Guardar

Ventana principal del exportador.



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How to Apply These Terms to Your New Programs

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```
<one line to give the program's name and a brief idea of what it does.>
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```

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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