

i2 iBase GIS Interfaces 8 Release Notes

Version 8.0.1

November 2009

Part Number: 2148

i2 iBase GIS Interfaces 8 extends the functionality of *i2 iBase 8* by providing a connection from *iBase* to industry standard desktop mapping packages. When you add *iBase GIS Interfaces* to your *iBase* installation, you have the ability to analyze the spatial aspects of your data. The interfaces seamlessly connect to *i2 iBase 8*, *i2 Analyst's Notebook 8* and, to *i2 Data Miner 8*.

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Release Contents

This release of *iBase GIS Interfaces 8* comprises interfaces to the following GIS products:

GIS product	Supported versions
ArcView 3	3.2.3
ArcGIS	9.0, 9.1, 9.2, 9.3
blue 8 world	2.4
blue 8 xd	1.2.9 build 12
MapInfo Professional	7.8, 8.0, 8.5, 9.5
MapPoint 2004, 2006, 2009	European and US Editions

Note: The interface for blue 8 xd is supplied by Northgate Information Solutions on the blue 8 xd CD.

What's New In This Release?

This release is a maintenance release to accompany *i2 iBase 8*. The following table summarizes the *iBase GIS Interfaces 8* releases:

Version	Release Date
<i>i2 iBase GIS Interfaces 8.0.1</i>	November 2009

System Requirements

The recommended system requirements for *iBase GIS Interfaces* are the same as for *iBase 8* and *Data Miner 8* clients. For details, see the release notes for *iBase 8* or *Data Miner 8*. However, you should also check the system requirements for any GIS products you use as these may exceed *i2*'s recommended system requirements.

iBase GIS Interfaces is only supported on the Western Europe & USA regional versions of the supported operating systems.

Note: Only MapPoint 2006, or later, is supported on Windows Vista.

Authorization Information

iBase GIS Interfaces is a licensed product. A permit is required to use the interfaces to send data to the mapping application. One permit is used for any or all of the interfaces. You do not need additional permits if you want to install and use more than one GIS product and interface on a client machine.

For further details, see the release notes for *iBase 8* or *Data Miner 8*.

Documentation

The following product documentation exists for *iBase GIS Interfaces*:

Document Title	Part Number
<i>i2 iBase GIS Interfaces 8 Guide</i>	2142

Installation

iBase GIS Interfaces is installed for use with *iBase 8* or for use with *iBase 8* and *Data Miner 8*.

- With the exception of blue 8 xd, you should install the mapping application before installing *iBase GIS Interfaces*. For example, if you install the MapPoint interface before installing the MapPoint application, you will see the warning "Component not correctly registered" after completing the installation of the interface.
- For blue 8 world, you must install the interface while logged on as the user who will run the interface-this user needs to be a local administrator.

Install *iBase GIS Interfaces 8* following the general advice on installation given in the release notes for *iBase 8*.

Note: If you used *iBase GIS Interfaces 2* with MapInfo, ArcView 3 or ArcGIS, your mapping configuration files will be copied to the new `Mapping` folder when you install *iBase GIS Interfaces 8*.

Once you have installed the interfaces:

- You may need to modify the configuration file which specifies the background maps and other mapping session features (see *Mapping application configuration files* on page 4 for details).
- You must initialize each *iBase* database for use with mapping and set up a mapping configuration for the items that you want to map (see *Configuring iBase - all GIS interfaces* on page 4).

blue 8 xd - additional installation steps

Once you have installed *iBase GIS Interfaces*, you need to install the blue 8 xd mapping application, if you have not already done so, and then arrange for a consultant from either Northgate Information Solutions or i2 to copy the blue 8 xd interface component to the correct folder for access by *iBase GIS Interfaces*.

MapInfo - additional installation steps

To allow MapInfo users who log on as ordinary users rather than as Administrators to plot data, you must give them write access to the file `i2.wor` in the following folder:

```
C:\Documents and Settings\All Users\Application Data\i2\  
i2 iBase 8\  
<language>\Mapping\MapInfo
```

You must start MapInfo once for each user of the PC before using *iBase GIS Interfaces*. This is because MapInfo only initializes user-specific information such as the custom symbols location the first time a user uses the product.

If you do not follow these steps and then use the *iBase GIS Interfaces*, you will see an error that the application is not responding. MapInfo will then initialize and future operation of the *iBase GIS Interfaces* will work normally.

Configuring iBase - all GIS interfaces

Once you have installed the interfaces, you must initialize each *iBase* database for use with mapping and make a mapping configuration for the items that you want to map:

1. To initialize, open the database in *iBase* (not in *iBase Designer*) and select **Tools ▸ Initialize Database for Mapping**. This will make the necessary additional entries to the database to store the mapping configuration information.

You must have the *iBase* database role Database Administrator to perform this operation. The user SYSADMIN in each default security file has this role.

2. To configure an interface, select **Format ▸ Mapping Configurations ▸ New**.

Mapping application configuration files

You may need to modify the configuration file which specifies the background maps and other mapping session features. This varies between mapping applications. For information on how to set up the *i2* configuration file for each application, refer to the *i2 iBase GIS Interfaces Guide* in conjunction with the documentation for the mapping application.

iBase GIS Interfaces installs a default mapping application configuration file as one of the following `i2_default.apr`, `i2_default.mxd`, or `i2_default.wor`, and then copies it to `i2.apr`, `i2.mxd`, or `i2.wor`. If you need to make any changes then make them to, for example, `i2.apr` and not to `i2_default.apr`.

The configuration files used by the application are stored in these folders:

Windows version	Path
Windows XP	Documents and Settings\All Users\ Application Data\i2\i2 iBase 8\ <language>\Mapping\
Windows Vista	C:\ProgramData\i2\i2 iBase 8\ <language>\Mapping\

Note: If required, users can save `i2.mxd` with a different name in the same location and, providing it is open, can also send data to this copy of the file.

ArcGIS

Existing users upgrading to ArcGIS 9.3 will need to update the version 8 configuration files (either `i2_default.mxd` or `i2_meters.mxd`) with any changes that they made to the configuration files used with earlier releases of *iBase GIS Interfaces* and then save the configuration file as `i2.mxd`.

The default map document file, `i2_default.mxd`, is configured to use unknown units which will handle data in any units.

In the UK, if you wish to use meters, you should copy the file `i2_meters.mxd` to `i2.mxd`.

ArcView 3

The default project file `i2_default.apr` expects the standard sample data to be located at a standard ESRI data location and uses an environment variable to locate it. You do not normally need to take any action if the example map files have been loaded at the standard location from the CD. If they are located elsewhere, use the information in the *i2 iBase GIS Interfaces Guide* to revise the `i2.apr` file.

MapInfo

The default workspace file, `i2_default.wor`, expects the data to be in degrees. The product also includes `i2_meters.wor`. You will need to copy this to `i2.wor` to make use of it with data in meters.

Known Limitations

The following limitations apply to this release of *iBase GIS Interfaces*.

All GIS applications

Density Grid and Spatial Query tools

Both the Density Grid and Spatial Query tools are sensitive to the current map units, i.e. if the data is sent to the map in decimal degrees but the map is in meters then both of these tools will fail.

Plotting data from multiple databases

When plotting to the same mapping application, you may get unexpected results in the following situations:

- When you plot data from different databases and then use *iBase* menu commands such as **Show**, **Add to Set**, **Add to Chart**, **Expand**, and **Add to Data Miner**:
 - For **Show** and **Add to Set** the wrong database may be presented and consequently no data displayed or saved in a set.
 - For **Add to Chart** and **Expand**, only data from one database can be displayed on the chart.

For machines that have both *iBase 4* and *iBase 8* installed, if a database from each is open then the menu selections always default to the database that was opened last.

- When you plot data from databases with the same name:
 - When the databases have the same structures but different data, incorrect information will be retrieved for records mapped from a database that is not currently open. Alternatively, the user may be informed that the record has been deleted from the database.
 - When the databases have different structures and data, the user will see a permissions error message if an entity or link type with the same three letter identifier does not exist in the open database. If the three-letter record identifier does exist then a record for the incorrect entity or link type may be displayed or, if there is no record with that record number, the user may be informed that the record has been deleted.
 - Running a query to find all entities or links in the vicinity of an entity or link on the map may return records on an unrelated area of the map.

- Deleting an entity or link via the Show dialog will delete it from the currently open database, which may not be the same database from which it was mapped.

To prevent this unexpected behavior only map from *iBase* databases with unique names.

blue 8 world

blue 8 world does not support the **Select on Map** command.

blue 8 xd

blue 8 xd does not support the **Select on Map** command where the user has made multiple selections.

MapInfo

The main toolbar must be set up as a floating toolbar.

MapPoint

MapPoint 2009

MapPoint 2009 restricts the range of symbols and colors available. For example, regardless of the symbol you select in the configuration file, all symbols are plotted as pins. Red, green and blue are plotted as expected, black is plotted as blue, and all other colors are plotted as red.

All versions of MapPoint

- MapPoint has European and US Editions; if you have both installed, data will be sent to the most recently opened version.
- When sending data to MapPoint the Adding Labels dialog indicates that you can press the Esc key to cancel the process. The Esc key does not cancel the process.

Microsoft Windows Vista

iBase GIS Interfaces for MapPoint 2006 can be installed and operates on Windows Vista. However, there are some known limitations; for details of these, see the release notes for *iBase 8*.

The other GIS products are not currently supported on Windows Vista.

Contacting i2

Technical support is available to anyone whose organization has opted for our annual support program. If you have a question and cannot find a solution in the online help, you can send an e-mail to the i2 Technical Support team.

- For customers in North and South America, e-mail support@i2inc.com.
- For customers in the UK or the Rest of the World, e-mail support@i2.co.uk.

Note: If your i2 software was purchased from one of our distributors, please contact your supplier for technical support.

i2 International and i2 Americas Consulting services work with customers to understand specific requirements and then determine the best methods to get these requirements met

through custom development, on-site training, or alignment with the right system integrator or product vendor.

For further information, contact your i2 supplier, or visit the i2 Web site at: www.i2group.com.