

Access Gradience Database with an ODBC Driver

Summary:

Access the database from 'outside' Gradience.

Problem / Goal:

Access the database with an ODBC Driver that will allow you to connect to the database through third party software, such as Crystal Reports to create custom reports.

Solution:

You will need the following to access the database:

- Guest User Access (set up through the program)
- ODBC Driver that is compatible with Firebird 1.5
- A program, that supports ODBC, to access the database, such as Access or Crystal Reports

Note: We do not support any ODBC drivers or third party programs, such as Access or Crystal Reports that you will be using to access the database. Support should be sought from the respective vendors.

Steps:

The following steps will assist setting up an ODBC driver to access the database

1. Click **Settings > User Security** and when the Security Maintenance screen opens, set **Guest User** to **Yes** on the list on the right. Click **Save** and close out of the Security Maintenance window.
2. Set up a Guest User account through the program by going to **Settings > Guest User**. This is where you will set up a **Login, Name** and **Password**, and which tables to which you want to have access and the level of access required.
3. Install an ODBC driver that is compatible.

Note: We do not support setting up an ODBC driver other than what is covered in this document.

4. Set up the ODBC driver through **Control Panel > ODBC Data Sources (32bit)**. Here are some tips when setting up the driver:
 - a. Add the driver from the System DSN tab.
 - b. If adding the driver for EasySoft, use EasySoft IB6 ODBC (the one without UNICODE).
 - c. **DSN:** - this is where you will enter a name such as: Gradience DB.
 - d. **Description:** - this field is optional.
 - e. **Server:** - some of the drivers will have this block and some will not. This is where you will enter the Server Name. If the driver you are setting up doesn't have this block enter the server name in the Database block.
 - f. **Database:** - this is where you will add the database path. If the driver you're setting up doesn't have a block to enter the Server name, then you would enter it before the database path, such as: **server1: c:\program files\gradience\Data\hrware.gdb**. Notice the colon after the server name. The server name will be left off if the database is on a local drive.
 - g. **User Name:** - this is the User Name that you set up for the Guest User account.
 - h. **Password:** this is the Password that you set up for the Guest User account.
 - i. **Dialect:** - this should be set to 3.
 - j. All other blocks, such as Role and Character Set should be left blank or at the default setting.
 - k. **Test** – Click Test to check the connection.
5. Open your third party software, such as Access or Crystal Reports and connect to the database (hrware.gdb). If the ODBC driver didn't have a block for the Login and Password, it will ask for it when connecting to the database. You will only have access to those tables you specified under Guest Users.

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