

Installing and configuring the iSeries Access ODBC Driver

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Data transfer between the CM client and LMe or LMi occurs using Open Database Connectivity (ODBC). Follow the steps below to enable a connection between CM and LMe and/or LMi on an IBM i server.

About this task:

CM uses ODBC to access the databases of LMe and LMi. One of the features of CM is the ability to associate CM issues with tasks in LMe and/or LMi. If you intend to use this feature, you must establish an ODBC data source for each database you want to access.

The ODBC driver/database interface is specific to each database. Currently, LMe and LMi are both implemented for the IBM DB2 for IBM i database.

The ODBC driver must be implemented on the CM server. If LMe and LMi both reside on the same IBM i machine, then only one data source is required. If they reside on different IBM i machines, then a data source for each is required.

Steps:

1. Open the IBM web site login page: <https://www.ibm.com/resources/mrs/assets?source=swg-ia>
2. Enter your IBMid and password.
3. Download **ACS Windows App Pkg English (64bit)**.
4. Run `IBMiAccess_v1r1_WindowsAP_English\Image64a\setup.exe` to unzip and install the program.
5. Select **Control Panel > Administrative Tools > ODBC Data Sources (64-bit)** to open the **ODBC Data Source Administrator (64-bit)** dialog.
6. Select the **System DSN** tab.
7. Click the **Add** button to display the **Create New Data Source** dialog.
8. Select **iSeries Access ODBC Driver** and click the **Finish** button.
The **General** tab of the **IBM i Access for Windows ODBC Setup** dialog is displayed.
9. Recommended settings for the **General** tab:
 - a. **Data source name** – Enter any unique name to identify the ODBC data source. This same data source name will be registered in CM to complete the connection requirements.
 - b. **Description** – Enter any description you like or leave the default description.
 - c. **System** – Enter the host name where LMi resides.
 - d. Click the **Connection Options** button to display the **Connection Options** dialog. Recommended settings:
 - **Default user ID** – Use iSeries Navigator default
 - **Signon dialog prompting** – Prompt for SQL Connect if needed
 - **Security** – Use same security as iSeries Navigator connection
 - e. Click **OK**.
10. On the **IBM i Access for Windows ODBC Setup** dialog box, select the **Server** tab. Recommended settings:
 - a. In the **Naming convention** combo box, select **SQL naming convention (*SQL)**.
 - b. Leave **Default SQL Schema or Library** blank.
 - c. Leave the **Library list** blank.
 - d. For **Connection type**, select **Use ODBC access mode**.
 - e. Leave **Override default database with the following** unchecked.

f. Click the **Advanced** button to display the **Advanced server options** dialog. Recommended settings:

- **Commit mode – Read uncommitted (*CHG)**
- **Time/ Format – hh:mm:ss (*HMS)**
- **Time/ Separator – : (colon)**
- **Date/ Format – yyyy-mm-dd (*ISO)**
- **Date/ Separator –** Not enabled for Date Format *ISO
- **Decimal properties/ Separator – . (period)**
- Leave the remaining Decimal properties unchanged from their defaults.

g. Click **OK**.

11. On the **IBM i Access for Windows ODBC Setup** dialog box, select the **Packages** tab. Recommended settings:

Make sure the **Enable Extended Dynamic (package) support** check box is unchecked. Unchecking this box disables all other controls on the property page.

12. Accept the defaults for the remaining tabs – **Performance, Language, Catalog, Conversions,** and **Diagnostics**.

The ODBC setup for one data source is complete.

If you intend to access both LMe and LMi and they are installed on different IBM i machines, you must define a second data source by repeating the above procedure. (The system name is entered on the **General** tab of the **IBM i Access for Windows ODBC Setup** dialog.)

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