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The OLE DB Template

The OLE DB Template provides a complete sample setup supporting OLE DB 1.1.   The template installs a sample application, the OLE DB Provider (ODBC Provider), and the core OLE DB files.

The template comes complete with the source files for the provided drivers.   These redistributable files are located in subfolders of <InstallShield location>\TemplateData\OLE DB Template Data. The folder names match the names of the file groups that use the files.

Using this template

You can easily customize the template to install OLE DB with your application's setup. To test drive the sample setup, see Running the OLE DB Template sample setup.

If the template is similar to your application's needs, you may be able to make simple changes to use it to create your own setup.   For more information, see Customizing the OLE DB Template sample setup.

Or if you have an existing setup project that you want to add OLE DB support to, see Adding OLE DB support to an existing project.

Template requirements

The OLE DB Template generates a 32-bit setup that runs on Windows 95 and Windows NT 4.0 or later. The template will not run on any other platforms.

The template requires ODBC 3.x to be installed on the target system. To install ODBC 3.5, you can use the ODBC Core Template.

The sample application requires an ODBC-compatible data source to be installed on the target system. If you have the OLE DB 1.1 SDK installed, you can use the OLE_DB_NWind_Jet data source.

If you are using the OLE_DB_NWind_Jet data source and you installed the OLE DB SDK in a folder other than the default, you will need to reconfigure the OLE_DB_NWind_Jet data source to point to the Nwind.mdb file in the location where the OLE DB SDK is installed: Oledbsdk\Smpldata\Access\Nwind.mdb To reconfigure the OLE_DB_NWind_Jet data source, open the ODBC Administrator in Control Panel, select OLE_DB_NWind_Jet in the User DSN tab, and click Configure. Then, use the Select button in the resulting dialog to specify the Nwind.mdb file in the location where the OLE DB SDK is installed.

{button ,AL(`The OLE DB Template components',0,`',`')}   See also

{button ,PI("",`comment')}   Feedback

Running the OLE DB Template sample setup

Before you begin customizing the OLE DB Template sample setup, you should run the template sample setup without any modifications. Follow the steps below to see the template sample setup run:

1. Create a new project using the OLE DB Template. Select New from the File menu of the InstallShield IDE. Select the Templates tab and then double-click the OLE DB Template icon. A new project with the name OLE DB Template is created. You can rename the new project, if desired, after closing it.

2. Run the setup by selecting Run Setup from the Build menu. Remember that the OLE DB Template requires ODBC 3.x already installed on the target system.

3. Run the installed application by clicking the OLE DB Sample Application icon in the Start\Programs menu. The sample application requires an ODBC-compatible data source to be installed on the target system.

4. From the IDBInitialize menu, choose Initialize.

5. Choose MSDASQL as the Provider, and type OLE_DB_NWind_Jet (or the name of an installed data source) for the Name parameter and admin for the UserID. Leave the Password parameter blank. Choose Initialize. A command window opens.

   If you get an initialization failed error message indicating the file could not be found, you must use the ODBC Administrator to ensure the data source points to a valid data file.

6. On the Command Text line, type the following query:

   SELECT * FROM CUSTOMERS

   If you are using a data source other than OLE_DB_NWind_Jet, you may have to modify the command accordingly.

7. From the Command menu, select Execute Command Text. Query Demo executes the command and returns the rowset.

8. From the IDBInitialize menu, select Uninitialize. Choose Release to close the connection to the data source. Releasing the data source also closes all open queries on that session.

9. If desired, you can uninstall the sample application by selecting OLE DB Sample Application from the Add/Remove Programs applet in the Control Panel.

{button ,AL(`Adding OLE DB support to an existing project;Customizing the OLE DB Template sample setup',0,`',`')}
See also

{button ,PI("",`comment')} Feedback

Customizing the OLE DB Template sample setup

Follow the steps below to customize the OLE DB Template to install your application. (If you need to use an existing project, see Adding OLE DB support to an existing project.)

Before you begin you may want to run the OLE DB Template setup without modifications, as described in Running the OLE DB Template sample setup, to verify that the template works correctly on your system.

1. Customize the setup script as required by the needs of your setup. For example, you might want to change or remove the call to SdWelcome in the ShowDialogs user-defined function.

2. Add the components, file groups, and setup types required to set up your application. All of your application's components that require OLE DB must include the ISOLEDB Core component in their Required Components field.

3. Replace the Setup.bmp splash screen graphic in the Splash Screen\Language Independent folder of the Setup Files pane with a splash screen of your own. If you do not wish to include a splash screen graphic, simply remove the provided Setup.bmp.

4. Replace the License.txt file in the Language Independent\Operating System Independent folder of the Setup Files pane with your license agreement text.

5. Compile, build, and test your project.

{button ,AL(`The OLE DB Template components',0,`',`')}   See also

{button ,PI("",`comment')} Feedback

Adding OLE DB support to an existing project

Adding OLE DB 1.1 support to your project is a matter of reproducing the template's file links, file groups, components, and string table entries. Follow the steps below to add the OLE DB support provided in the OLE DB Template to an existing project.

> It will be easier to copy information from one project to another if you open the OLE DB Template and your setup project in separate instances of the InstallShield IDE.

1. Recreate the OLE DB-specific file groups in your project's File Groups pane.

   a. Duplicate the file groups' folder structure in your project's file groups pane. (You do not need to create a file group for the sample application. The OLE DB-specific file groups all begin with ISOLEDB.) For more information, see Create a file group.

   b. Give each new file group the same properties that it has in the OLE DB Template.

   c. Insert the same files into the file groups' Links folders. For more information, see Organize my files into file groups.

2. Recreate the OLE DB-specific components in your project's Components pane. (You do not need to create a component for the sample application. The OLE DB-specific components all begin with ISOLEDB.) Give each new component the same properties that it has in the OLE DB Template.

   Remember that all of your application's components that require OLE DB must include the ISOLEDB Core component in their Required Components field.

3. Copy the string table entries from the OLE DB Template to the string table (or string tables if your setup is intended for distribution in more than one language) in your project. The OLE DB-specific string table entries all begin with ISOLEDB_.

4. Run the Media Build Wizard to build your new setup with OLE DB 1.1 support.

5. Test your setup.

{button ,AL(`The OLE DB Template components',0,`',`')}   See also

{button ,PI("",`comment')} Feedback

The OLE DB Template components

The OLE DB Template consists of the components listed below:

Component	Notes
Sample Application	includes the sample application .exe file
ISOLEDB OLE DB Core	contains the OLE DB self-registering and non-self-registering files to be installed into the Program Files\Common Files\System\OLE DB folder. This is the component that your application must require to support OLE DB; it, in turn, requires the components ISOLEDB Provider Help and ISOLEDB System components.
ISOLEDB Provider Help	contains OLE DB Provider Help files to be installed into the Program Files\Common Files\System\ADO folder
ISOLEDB System Self-reg	contains the self-registering and non-self-registering system files

Never delete the ISOLEDB-prefixed components.

{button ,PI("",`comment')}   Feedback

We welcome your suggestions for improving InstallShield help. To share your ideas, please visit http://www.installshield.com/talk/ or email doc@installshield.com.