Introduction

This document describes how to set up the EasyLobby 10.0 database on Microsoft SQL Server or Oracle, how to setup an ODBC data source for each EasyLobby client, and basic usage of SQL Server or Oracle client tools.

Notes on 64-bit Operating Systems

If you are installing the database on a 64-bit Windows operating system, our database installer is not currently supported. Please refer to the Manual Installation sections beginning on page 17 for SQL Server and page 20 for Oracle. In addition, EasyLobby SVM is a 32-bit application and therefore uses the 32-bit ODBC settings to create the database connection. By default, 64-bit operating systems utilize the 64-bit ODBC settings. When setting up the EasyLobby Data Source (page 7) you will need to run the 32-bit ODBC control panel applet found in C:\Windows\SysWoW64\odbcad32.exe. You can then continue with the standard instructions.

For 32-bit operating systems you may proceed with the instructions in the next section.

Install the Microsoft SQL Server or Oracle Database

EasyLobby 10.0 is supported on all editions of Microsoft SQL Server versions 2000, 2005 and 2008. This includes MSDE, SQL Server 2005 Express Edition and any fully licensed versions. You may use your own licensed version of SQL Server, or use the free version of SQL Server 2005 Express that comes with the EasyLobby product CD. Users of previous versions of EasyLobby may also use the existing MSDE database. EasyLobby 10.0 is supported on Oracle database server versions 9i or higher. Each EasyLobby client workstation also requires the Oracle client 9.0.2 or higher including the Oracle Provider for OLEDB.

Running the EasyLobby 10.0 Database Installer

Insert the EasyLobby Product CD on the database server system. If the EasyLobby product installation screen (shown below) is not auto played, run the file Setup.exe from the root of the CD. Click to select the EasyLobby Database Installer choice and click the Run button.
The initial splash screen is presented as shown below. Click the Next button to proceed.

On the “Select Target Database” screen (shown below), select the desired option for installing the database.

**New SQL Server 2005 Express database on this computer (EASYLOBBY instance)** – This option will run the standard Microsoft installer and install a new instance of SQL Server 2005 Express Edition onto your system. The instance name will be EASYLOBBY. The installer will then install the EasyLobby10 database schema into this database instance.

**Existing SQL Server 2005 Express database on this computer (EASYLOBBY instance)** – This option will locate the existing EASYLOBBY instance of SQL Server 2005 Express Edition on your system, and then install the EasyLobby10 database schema into this existing instance.

**Existing EasyLobby MSDE database on this computer (EASYLOBBY instance)** – If you were using an EASYLOBBY MSDE database from a previous version of EasyLobby, you may use this option to install the EasyLobby10 database schema into the existing MSDE EASYLOBBY instance.

**Other Existing SQL Server 2000, 2005 or MSDE database on this computer** – Use this option to install the EasyLobby10 database schema into any other existing SQL Server 2000, 2005 or MSDE instance on this system. You must have the SQL Server running in mixed authentication mode (that is, allowing SQL Authentication accounts).

**Existing Oracle database (9i or higher)** – Use this option to install the EasyLobby10 database schema into an existing Oracle database server either local or remote. You must have the Oracle client with sqlplus installed, and have created a TNS Name (Net Name) for the database server.

Select the appropriate choice and click the Next button to proceed. The following sections contain the specific instructions for each of the four options.
Option 1 – Installing a New SQL Server 2005 Express EASYLOBBY Instance
This will proceed directly to the Start Installation screen to begin the installation.

Option 2 – Installing into an Existing SQL Server 2005 Express EASYLOBBY Instance
If an existing EasyLobby instance of SQL Server 2005 is detected, this will proceed to the Start Installation screen to begin the installation.

Option 3 – Installing into an Existing MSDE EASYLOBBY Instance
If an existing EasyLobby instance of MSDE is detected, this will proceed to the Start Installation screen to begin the installation.

Option 4 – Installing into an Existing SQL Server (2000, 2005, 2008 or MSDE) Database Instance
In the SQL Server Instance and Credentials screen that follows (shown below), select whether to use the default database instance or a named instance. For the latter choice provide the instance name. Select the account credentials to use when running the database creation script. This account should have sufficient privileges for creating a new database catalog.

Click the Next button to proceed to the Start Installation screen.
**Option 5 – Installing into an Existing Oracle Database Server**

In the Oracle Credentials screen that follows (shown below), enter the Oracle Net Service Name for the database server, and the authentication type and credentials for an account with dba privileges. The Oracle database server can either be on the local system or on a remote system. You must have the Oracle client with sqlplus installed locally, and have created a Net Service Name (TNS Name) for the database server.

Click the **Next** button to proceed to the **Start Installation** screen.

The **Start Installation** screen (shown below) is displayed immediately before the actual installation is ready to start. Review the installation information and click **Next** to start the installation.
During the installation the following screen will show. Allow up to a minute for the schema installation to complete.

When the database has finished installing, you will see the screen shown below. Press the View Log button to review the results of the database installation script.
For SQL Server installations, the results log looks pretty obscure, as show below, but you should verify that there are no error messages in the log. If the log appears as shown below, your database should be successfully installed. The installation will create a new SQL Authentication account called easyuser10 and a new database catalog called EasyLobby10. The easyuser10 account will have dbo rights on the EasyLobby10 database.

For Oracle installations, the results log is different, as shown below. If there are no error messages in the log, the database schema should be successfully installed. With Oracle, a new user account easyuser10 is created and owns the schema (that is, the tables) for the EasyLobby 10 database.
Setting up an ODBC Data Source on Each Client System

For each EasyLobby client application (SVM, Administrator or eAdvance) that will connect to the SQL Server database, you will need to create a SQL Server or Oracle ODBC data source (DSN).

For 64-bit Operating Systems, in the instructions below you will need to run the 32-bit version of the Data Sources (ODBC) control panel application directly by using the Start | Run command and entering in the command line C:\Windows\SysWoW64\odbcad32.exe.

Setting up a SQL Server ODBC Data Source

For SQL Server, open the control panel. Open the Administrative Tools icon and open the Data Sources (ODBC) icon. The ODBC Data Source Administrator window will display. Click the Drivers tab and check to insure that you have the SQL Server ODBC driver. Windows 2000, 2003 and XP systems typically have these drivers already installed. If you do not have the SQL Server driver, download and install the MDAC 2.8 SP1 update from the Microsoft web site, or enlist the help of your system administrator.

To create an ODBC data source to an EasyLobby SQL Server database, click the System DSN tab and click the Add... button.
Select the “SQL Server” entry as shown below and click the **Finish** button.

In the next dialog, shown below, enter a name such as *EasyLobby10* and an optional description for your new data source. Enter or select the name (or IP number) of your database server in the Server field. Then click the **Next** button when you are finished.

In the next dialog, select the “With SQL Server authentication…” radio button. Make sure the “Connect to SQL Server…” box is checked, and enter the credentials *easyuser10* and *door10man+*, then click the **Next** button. If you are using Windows NT Authentication or alternate credentials for SQL Authentication, make the appropriate modifications (and remember to run the EasyLobby *Authenticate* utility to specify the alternate connection type).
If you get the next dialog, shown below, then you have connected to your database server. If you get an error message, then either the server can not be found, or the credentials were entered incorrectly.

Check the “Change the default database to” check box and select EasyLobby10 in the combo box if it is not already selected. Click the Next button.

You do not need any changes on the next screen, shown below, so click the Finish button.

The review dialog should appear as shown below.
Click the **Test Data Source** button to make sure the connection to the database is working. Click the OK button when you are done. You will now have a new data source called “EasyLobby9” (or the name you entered in the name field earlier).
Setting up an Oracle ODBC Data Source

Before you can setup an ODBC data source, you must first setup an Oracle Net Service Name for the EasyLobby database. All Oracle database access occurs through the Net Service Name. The ODBC driver is layered on top of the Oracle Net Service. The Net Configuration Assistant software is installed by default when the Oracle client software is installed, typically in Oracle – OraHome90 | Configuration and Migration Tools | Net Configuration Assistant.

To setup a Net Service Name, run “Net Configuration Assistant”. Select Start | Programs | Oracle – OraHome90 | Configuration and Migration Tools | Net Configuration Assistant. The following dialog will appear:

Select the radio button “Local Net Service Name configuration”. Click Next and the following window appears:

Select the “Add” radio button and click Next, and the following window appears.
Select the Oracle8i or later option. When you have made a selection, click **Next**. For Oracle 8i databases and above, you will get the following window. Fill in the “Service Name” field with the service name for your database server.

If you are not sure of the service name, use the Oracle Enterprise Manager, add you database server to the tree, and click on the icon for the database. The service name will be listed in the TNS descriptor.

In the next screen select the “TCP” option and click **Next**.

In the next screen enter the name or the IP Address for your Oracle database server. Click the **Next** button.
In the next window select the “Yes, perform a test” radio button and click **Next**.

If the test is successful the following window appears.

Fill in the Net Service Name as shown below. You may enter any name you wish in this field, for example, *EasyLobby10*. Click the **Next** button to proceed.

You now have created an Oracle Net Service name. You will need this name when creating an ODBC data source for this Oracle database. Use this name whenever you are prompted for a “service”, “service name”, or “server”.

Next, open the control panel, open the **Administrative Tools** icon, then open the **Data Sources (ODBC)** icon. The ODBC Data Source Administrator window will display. Click the **Drivers** tab and check to insure that you have the Oracle ODBC driver called **Oracle in OraHome92** or equivalent, version 9.0.2 or higher.

Select the “System DSN” tab (see below). Note that to create a System Data Source may require local administrator privileges.

Click the **Add** button. The following window appears.

Select the **Oracle in OraHome92** driver and click the **Finish** button.
The following window appears.

![Oracle ODBC Driver Configuration](image1)

Enter the information as shown. You may call the *Data Source Name* field anything you’d like, for example, *EasyLobby10* as shown. *Description* is optional. The *TNS Service Name* is the Net Service Name that was entered when the Net configuration was created. The *User ID* field should be set to *easyuser10*.

Click *Test Connection* to test the connection, enter the password (the default is *door10maN+*) in the screen shown below.

![Oracle ODBC Driver Connect](image2)

Click *OK*, the following dialog will be displayed if the test is successful.

![Testing Connection](image3)

Finally, click *OK* to the Oracle ODBC Driver Configuration screen; your new data source will be listed in the data sources list.
Connecting EasyLobby SVM to the SQL Server or Oracle Database

Now you can run EasyLobby SVM 10.0. To connect to the SQL Server or Oracle database, use the File | Open Visitor Log | Data Source… command and select the SQL Server or Oracle DSN that you created, as shown in the screen below. Note that EasyLobby will remember this connection each time you restart the program.

If you connect successfully to the database, you will be presented with a login dialog.

If this is your first time connecting, and you have not changed the user accounts for EasyLobby, then you can log in with any of the following accounts that are created by running the database setup script:

<table>
<thead>
<tr>
<th>Login Name</th>
<th>Password</th>
<th>Permission Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin</td>
<td>pass</td>
<td>Administrator</td>
</tr>
<tr>
<td>Administrator</td>
<td>pass</td>
<td>Administrator</td>
</tr>
<tr>
<td>Manager</td>
<td>pass</td>
<td>Manager</td>
</tr>
<tr>
<td>Operator</td>
<td>pass</td>
<td>Operator</td>
</tr>
<tr>
<td>Novice</td>
<td>pass</td>
<td>Novice</td>
</tr>
</tbody>
</table>

Note that for all of these accounts, the password is case sensitive, though the login name is not.
Manual Installation of the EasyLobby Schema on the SQL Server Database Server

You can use the SQL Server Management Studio program to manually load the EasyLobby database schema into your SQL Server database server. You do not need to do this if you have installed the database using the database installer documented in the first section of this document, above. Management Studio can be run from the database server itself or from any client system where it is installed.

Choose Start | Programs | Microsoft SQL Server 2005 | SQL Server Management Studio as shown below.

You will be asked to log in to the SQL Server database server as shown in the following diagram. Log in with your “sa” system administrator account or another account that has administrator privileges on the SQL Server.

Enter the account credentials and click the Connect button.
Choose **File | Open | File…** and open the file `dbCreateSQLServer.sql` from the SQL folder of either your product CD or the EasyLobby installation folder (typically `C:\Program Files\EasyLobby\EasyLobby SVM 10.0\SQL`). You will need to provide database credentials for the `sa` account again. The resultant screen should resemble the graphic below.

![SQL Server Management Studio screen](image)

**Note:** In the script, you may need to edit the two instances of the `FILENAME` value to reflect the actual installation folder of SQL Server on your database server system. This variable specifies the folder location where the database file will be created. The path where the database files will reside must exist on the database server. Note also that the files need not reside in the SQL Server installation folder, they may reside anywhere you desire, though we do recommend that they reside on a local hard drive for performance reasons.

Click the **Execute** button at the upper right on the toolbar to execute the SQL script (or choose **Query | Execute** or press the F5 key). The Messages area at the lower right should show the results, insure that there are no errors.

![SQL Server Management Studio messages](image)
If this script executes with no errors, a new *EasyLobby10* database will be created on your database server, along with the default account called *easyuser10* with a password of *door10man+*, which is the dbo (database owner) for that database.

In the Management Studio program, right-click the server icon and choose **Refresh**. You should see the new *EasyLobby10* database listed under your database server icon in the Databases folder as shown in the following graphic.
Manual Installation of the EasyLobby Schema on the Oracle Database Server

You can use the Oracle SQLPlus Worksheet program to manually create the EasyLobby database schema into your Oracle database server. You do not need to do this if you have installed the database using the database installer documented in the first section of this document, above. SQLPlus Worksheet can be run from the database server itself or from any client system where it is installed.

Choose Start | Programs | Oracle – OraHome92 | SQLPlus Worksheet and log in as shown below, using an account with dba privilege.

In SQLPlus Worksheet, choose File | Open and select the file called dbCreateOracle.sql from the SQL folder of either your product CD or the EasyLobby installation folder (typically C:\Program Files\EasyLobby\EasyLobby SVM 10.0\SQL). The resultant screen should resemble the graphic below.

Click the Execute icon (yellow lightning bolt) at the left toolbar or the menu command Worksheet | Execute to run the script. Insure that there are no errors after the script executes.
Technical Support

For more information or support on setting up your SQL Server database for EasyLobby, please contact EasyLobby, Inc. at support@easylobby.com or at 781-455-8558.