



Oracle 10g ODBC Installation Guide

Automated Method

13 September 2007

INTRODUCTION.....	3
BEFORE YOU START... ..	3
A NOTE ON TERMINOLOGY.....	3
WHY ALL THE REBOOTS?	3
DOWNLOADING THE ORACLE 10G CLIENT PACKAGE.....	4
BEFORE YOU START	4
1. <i>Disk Space & Directories</i>	4
2. <i>Support Web</i>	4
INSTRUCTIONS	4
1. <i>Download the package</i>	4
2. <i>Extract the package</i>	5
RUNNING THE EX LIBRIS AUTOMATION TOOL	6
BEFORE YOU START	6
INSTRUCTIONS.....	6
BACKUP CURRENT ORACLE CONFIGURATION	8
BEFORE YOU START	8
INSTRUCTIONS.....	8
1. <i>Restart your computer</i>	8
2. <i>Start the Ex Libris Automation Tool</i>	8
3. <i>Backup TNSNAMES.ORA</i>	8
UNINSTALL PREVIOUS VERSIONS OF ORACLE	10
BEFORE YOU START	10
INSTRUCTIONS.....	10
1. <i>Restart your computer</i>	10
2. <i>Start the Ex Libris Automation Tool</i>	10
3. <i>Remove Oracle clients</i>	10
4. <i>Restart your computer</i>	11
5. <i>Repeat</i>	11

INSTALLING ORACLE 10G..... 12

BEFORE YOU START 12

INSTRUCTIONS..... 12

1. **Restart your computer** 12
2. **Start the Ex Libris Automation Tool** 12
3. **Install Oracle 10g**..... 12

ORACLE CONFIGURATION..... 14

BEFORE YOU START 14

UPGRADE INSTRUCTIONS 14

1. **Restart your computer** 14
2. **Start the Ex Libris Automation Tool** 14
3. **Restore TNSNAMES.ORA** 14

NEW INSTALL INSTRUCTIONS 14

1. **Restart your computer** 14
2. **Start the Ex Libris Automation Tool** 14
3. **Create a TNSNAMES.ORA** 14

LINK PREPACKAGED REPORTS 16

BEFORE YOU START 16

INSTRUCTIONS..... 17

1. **If you are using MS Access 2003 or later:** 17
2. **Open the Voyager Access Reports file** 17
3. **Get External Data**..... 17
4. **Build Database Links** 19

Introduction



Before You Start...

- * If you run into problems at any point please **stop** and seek assistance from Ex Libris Global Customer Support.
- * The **Oracle 10g** client replaces any pre-existing client and is backwards compatible with **Oracle 8i & Oracle 9i** servers.
- * Make sure your Windows login has **Local Administrator** rights before you begin. Your IT Department can assist you on resolving this if you are unsure or do not have Local Administrator rights.
- * Once the uninstall process has started, **do not** leave it unattended or start working on a different application until you have completed the process. Doing either may cause the application to freeze and require a reboot to resolve. Rebooting at the wrong time could greatly complicate the uninstall process.
- * Shutdown all other applications. Temporarily disable any PC firewall & virus software before running the applications.
 - * If you are running **Norton AntiVirus 2006** or later, ODBC linking *will not work* by default. Read Microsoft's Knowledge Base [Article 329820](#) for help. Otherwise, consult with your IT department.
- * The *Ex Libris Automation Tool* is designed and tested for use with **Voyager**.
 - * If you have **other Ex Libris applications** please contact Ex Libris Global Customer Support for assistance.
 - * If you have **non-Ex Libris applications** that use ODBC check with your IT Department before proceeding.
- * The screenshots provided in this document were taken using Windows XP. If you are running a different version of Windows, your screen may appear slightly different.
- * If this is a new install of the ODBC drivers, you can skip the **Backup** and **Uninstall** sections of the document.



A Note on Terminology...

- * You may read or hear a reference to a driver CD. Years ago, the ODBC drivers were shipped out on a CD, but the prevalence of high-bandwidth network connections has made CD distribution obsolete.
- * You can burn the contents of the downloaded zip file to a CD for archival purposes or for intra-library installation.
- * If persistent network issues prevent you from downloading the zip file, you can request a physical CD from Ex Libris. Please specify if you need the CD for Windows XP or Windows Vista. There may be a delay in preparing and shipping the CD.



Why all the reboots?

For a cleaner and faster uninstall (and install) process. Rebooting the PC...

- * ...just before critical work helps minimize services competing for system resources.
- * ...then shutting down all other programs minimizes program fragments and memory leaks.
- * ...after making registry changes ensures that the link between PC files and previous registry data no longer exists.

Downloading the Oracle 10g Client Package

Before You Start

1. Disk Space & Directories

- a. Disk Space
 - i. The download requires 500MB free space.
 - ii. The installation requires **an additional** 500MB free space.
- b. Create a directory on your PC where you will extract the package, such as **C:\Oracle10g**.

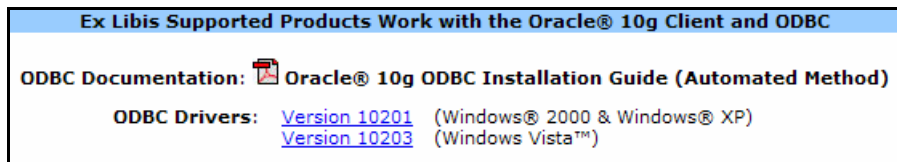
2. Support Web.

- a. Ensure you are able to login to *Support Web*.
- b. Contact Ex Libris Customer Support for the **odbc** password.

Instructions

1. Download the package

- a. Go to the Oracle 10g ODBC download page on *Support Web*:
<https://support.endinfosys.com/cust/oracle10.html>
- b. Click on the link to download the file appropriate for the PC's Operating System:



- i. **Version 10201** for *Windows XP*™.
 - ii. **Version 10203** for *Windows Vista*™.
- c. You will be prompted to enter the password for the **odbc** user:

User: odbc

Password:

- d. Save the file to your PC just as you would for the Voyager clients.
 - i. Be sure to remember where you save the file.
 - ii. **Do not select *Open* at this time.**
- e. Wait for the download to complete.
 - i. This file is very large (over 400MB); depending on the speed of your connection, it can take up to an hour to complete.

2. Extract the package

- a. Extract the downloaded file to the directory created on page 4.
 - i. The *WinZip* software is commonly used for this process.
 - ii. Check with your IT department if you are unsure which program to use.
- b. Ensure you preserve the folder names when you extract the file.
 - i. In *WinZip* you check the **Use folder names** option.
 - ii. Check with your IT department or software vendor if using other software.

The Oracle 10g ODBC package is ready to install!



Running the Ex Libris Automation Tool

Before You Start

Be sure you have downloaded and extracted the Oracle 10g Client Package as outlined in **Downloading the Oracle 10g Client Package**.

Instructions

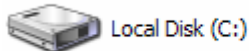
1. Go to the package directory.

- a. ***The following assumes you extracted the package to C:\Oracle10g***

- b. Double-click on *My Computer*



- c. Double-click on the C: drive

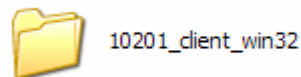


- d. Double-click on *Oracle10g*

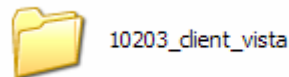


- e. Double-click on the package directory

- i. For *Windows XP™* the folder is *10201_client_win32*



- ii. For *Windows Vista™* the folder is *10203_client_vista*



2. Start the ***Ex Libris Automation Tool***

- a. Double-click on the BEAT icon



- b. The following screen should appear:

```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools <BEAT> - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection: _
```

You have now started the *Ex Libris Automation Tool!*



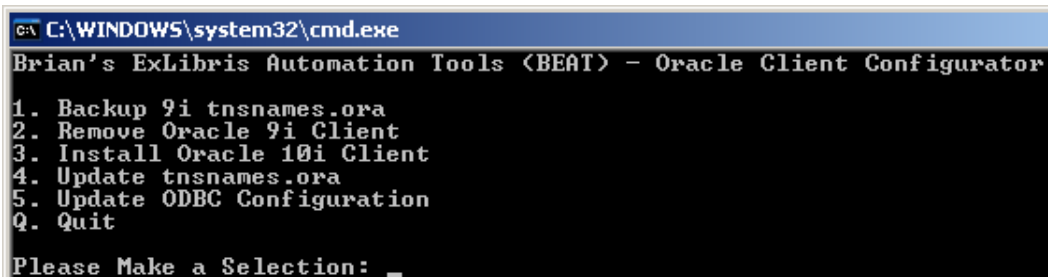
Backup Current Oracle Configuration

Before You Start

This step should only be run if there is already a working Voyager ODBC configuration. If your PC has never had Oracle ODBC drivers on it, you can jump ahead to **Installing Oracle 10g** on Page 12.

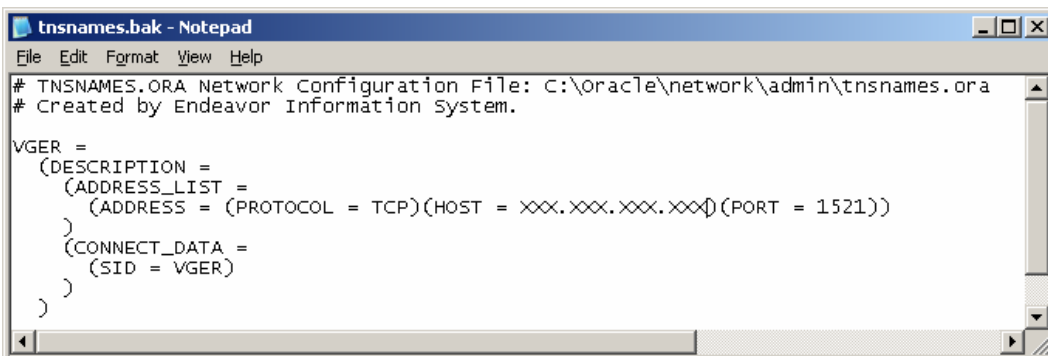
Instructions

1. **Restart your computer**
 - a. Login to the PC.
 - b. Ensure there are no open programs
2. **Start the *Ex Libris Automation Tool***
3. **Backup TNSNAMES.ORA**
 - a. Select option 1. **Backup 9i tnsnames.ora**



```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools (BEAT) - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection: _
```

- b. Notepad will open displaying a tnsnames.ora file:

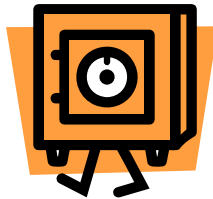


```
tnsnames.bak - Notepad
File Edit Format View Help
# TNSNAMES.ORA Network Configuration File: C:\oracle\network\admin\tnsnames.ora
# Created by Endeavor Information System.

VGER =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST = XXX.XXX.XXX.XXX)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SID = VGER)
    )
  )
```

- c. Compare the displayed file to the screenshot above.
 - i. If the displayed file and the screenshot look similar proceed to step 3.d
 - ii. If the displayed file is blank or significantly different then the screenshot **STOP** and contact Ex Libris Global Customer Support immediately.
- d. Close Notepad
- e. Press any key to return to the *Ex Libris Automation Tool*

The Oracle ODBC configuration is now backed up!



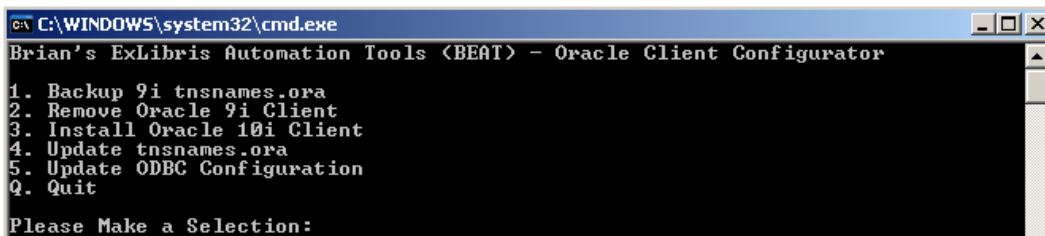
Uninstall Previous Versions of Oracle

Before You Start

This will remove any current Oracle 8i, 9i, or 10g client installed on your system

Instructions

1. Restart your computer
 - a. Login to the PC
 - b. Ensure there are no open programs
2. Start the *Ex Libris Automation Tool*
3. Remove Oracle clients
 - a. Select option 2. **Remove Oracle 9i Client.**

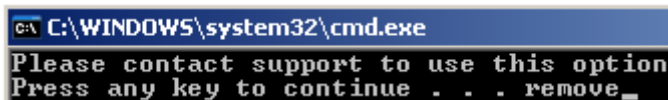


```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools <BEAT> - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection:
```

- b. You will be prompted to “**Press any key to continue . . .**”.

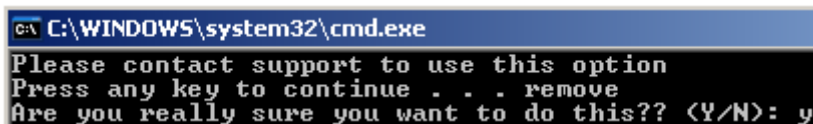
Do not press any key!

- c. Type **remove** and hit enter:



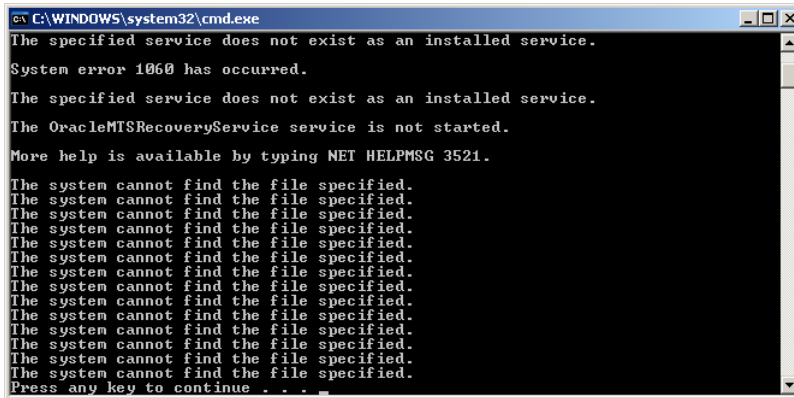
```
C:\WINDOWS\system32\cmd.exe
Please contact support to use this option
Press any key to continue . . . remove_
```

- d. Enter **Y** and hit enter if you are sure you want to remove all existing Oracle clients:



```
C:\WINDOWS\system32\cmd.exe
Please contact support to use this option
Press any key to continue . . . remove
Are you really sure you want to do this?? <Y/N>: y
```

- e. You will see a number of errors on the screen. *These are normal and can be ignored.*



```
C:\WINDOWS\system32\cmd.exe
The specified service does not exist as an installed service.
System error 1060 has occurred.
The specified service does not exist as an installed service.
The OracleMTSRecoveryService service is not started.
More help is available by typing NET HELPMSG 3521.

The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
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The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
The system cannot find the file specified.
Press any key to continue . . .
```

- f. When prompted press any key.

4. Restart your computer

- Login to the PC.
- Ensure there are no open programs.

5. Repeat

- If this is the **first time** reaching this step repeat this procedure starting at **Step 2**.
- If this is the **second time** reaching this step you are done.

Pre-10g Oracle ODBC is now successfully uninstalled!



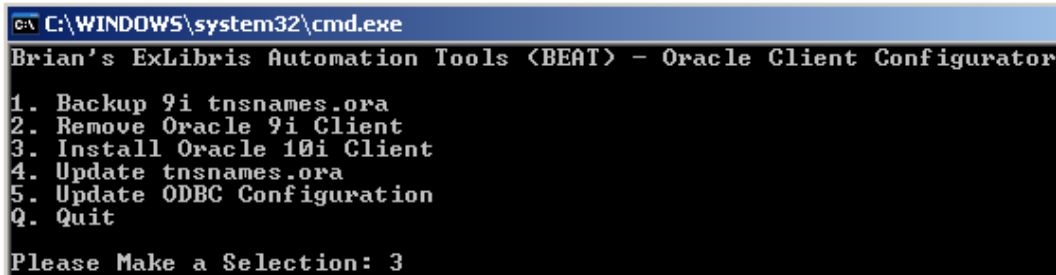
Installing Oracle 10g

Before You Start

Be sure that you have the Oracle 10g installation for your version of Windows, supplied by Ex Libris. *The Oracle 10g CD from Oracle cannot be used with this procedure.* See **Downloading the Oracle 10g Client Package** for more information.

Instructions

1. **Restart your computer**
 - a. Login to the PC
 - b. Ensure there are no open programs
2. **Start the *Ex Libris Automation Tool***
3. **Install Oracle 10g**
 - a. Select option **3. Install Oracle 10g Client**



```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools (BEAT) - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection: 3
```

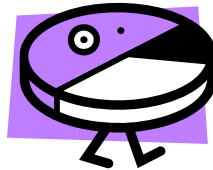
- b. When prompted answer **Y** to install the Oracle 10g client
- c. **Do not attempt to change the window focus during this process!**

- d. Wait for a message indicating that the installation has completed

```
Installation in progress <Fri Jun 01 16:00:56 CDT 2007>
.....
.....
Install successful
.....
90% Done.
Setup in progress <Fri Jun 01 16:03:07 CDT 2007>
toLoad is C:\DOCUME~1\BStratma\LOCALS~1\Temp\OraInstall2007-06-01_04-00-08PM\ocx
Reg.dll
Setup successful
End of install phases.<Fri Jun 01 16:03:31 CDT 2007>
Starting to execute configuration assistants
Configuration assistant "Oracle Net Configuration Assistant" succeeded
The installation of Oracle Client was successful.
Please check 'C:\Program Files\Oracle\Inventory\logs\silentInstall2007-06-01_04-
00-08PM.log' for more details.
Please press Enter to exit...
```

- e. Hit enter to close the install windows
- f. Hit enter to return to the *Ex Libris Automation Tool*

Oracle 10g ODBC is now successfully installed!



Oracle Configuration

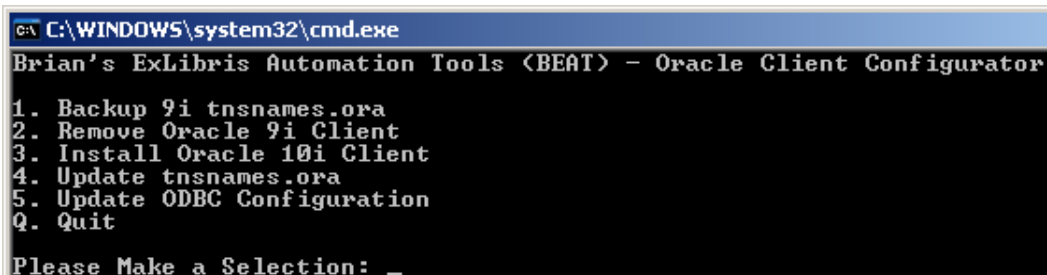
Before You Start

If this an **UPGRADE** from Oracle 9i and the steps in the **Backup Current Oracle Configuration** section were followed, proceed to the **Upgrade Instructions** section.

If this is a **NEW** installation of Oracle 10g proceed to the **New Install Instructions** section.

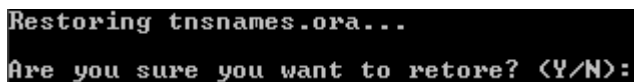
Upgrade Instructions

1. **Restart your computer**
 - a. Login to the PC
 - b. Ensure there are no open programs
2. **Start the *Ex Libris Automation Tool***
3. **Restore TNSNAMES.ORA**
 - a. Select option 4. **Update tnsnames.ora**



```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools <BEAT> - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection: _
```

- b. Select option 7. **Restore backup TNSNAMES**
- c. Enter Y if you are sure you want to restore



```
Restoring tnsnames.ora...
Are you sure you want to restore? (Y/N):
```

- d. Hit enter to return to the *Ex Libris Automation Tool*

New Install Instructions

1. **Restart your computer**
 - a. Login to the PC
 - b. Ensure there are no open programs
2. **Start the *Ex Libris Automation Tool***
3. **Create a TNSNAMES.ORA**

- a. Select option **4. Update tnsnames.ora**

```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools <BEAT> - Oracle Client Configurator
1. Backup 9i tnsnames.ora
2. Remove Oracle 9i Client
3. Install Oracle 10i Client
4. Update tnsnames.ora
5. Update ODBC Configuration
Q. Quit
Please Make a Selection: _
```

- b. Select option **1. Add VGER Instance – Voyager**

```
C:\WINDOWS\system32\cmd.exe
Brian's ExLibris Automation Tools <BEAT> - Oracle Client Configurator
Update tnsnames.ora
1. Add UGER Instance - Voyager
2. Add MRDN Instance - Meridian
3. Add ENC Instance - Encompass
4. Add Image Server Instance
5. Add Custom instance
6. Save and Clear TNSNAMES
7. Restore backup TNSNAMES
B. Back
Q. Quit
Please Make a Selection:
```

- c. Enter the IP Address of your Voyager server

```
C:\WINDOWS\system32\cmd.exe
Adding Voyager - UGER instance to tnsnames.ora
Please enter the IP address of your voyager database server:
```

- d. Enter **Y** to confirm when prompted

Hit Enter to return to the *Ex Libris Automation Tool – Update tnsnames.ora* section

- e. Enter **B. Back** to return to the *Ex Libris Automation Tool*

Oracle 10g ODBC is now successfully configured!



Link Prepackaged Reports

Before You Start

Be sure that you have gathered the following information. If you are unsure of any of the following, please contact Ex Libris Global Customer Support.

- Your database name
 - For example: xxxxdb
- Your read-only login and password (usually written as login/password)
 - Username = ro_xxxdb
 - Password = ro_xxxdb
 - ro_xxxdb/ro_xxxdb
- Database server name or IP address
- Oracle SID
 - For **Voyager 5.0 or higher**, your SID is **VGER**
 - For **Image Server** your SID is **VGER**
 - For an earlier version of **Voyager** or **Endeavor Heritage Digital Products** contact Ex Libris Global Customer Support.

Voyager Database Name:	
Read-only User Login:	
Read-only User Password:	
Server Name or IP Address:	
Oracle SID:	

Instructions

1. If you are using MS Access 2003 or later:

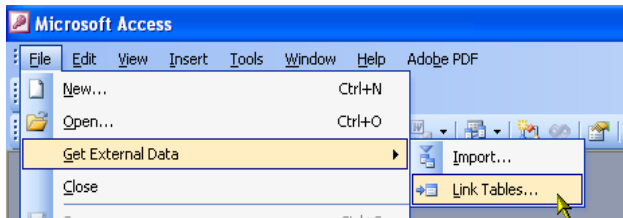
- a. Start MS Access
- b. Select **Tools->Macro->Security->Security Level**
- c. Select the **Low** option
- d. Click **OK**
- e. When prompted click **Yes**
- f. **You must close and restart MS Access**

2. Open the *Voyager Access Reports* file

- a. This is also referred to as the **Reports.mdb** file.
- b. If this file does not exist check that *Voyager Access Reports* was installed.

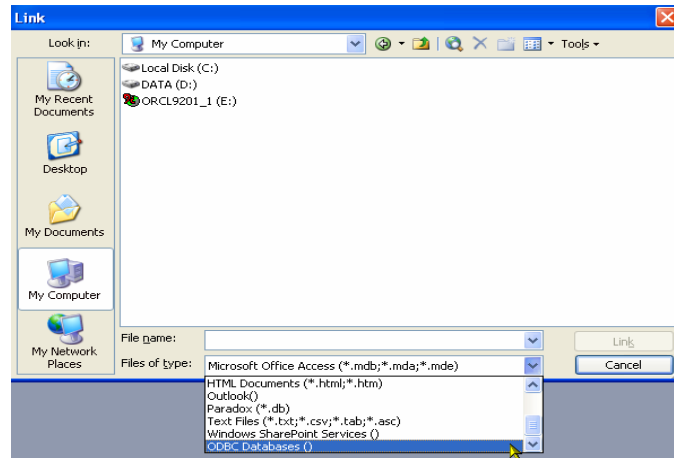
3. Get External Data

- a. Select **File->Get External Data->Link Tables**



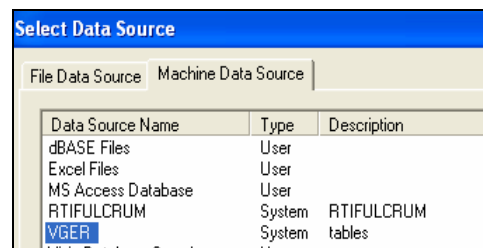
- b. A **Link** screen will appear
 - i. Click the **Files of Type** drop down located at the bottom of the screen

- ii. Select **ODBC Databases**, usually located at the bottom of the list:

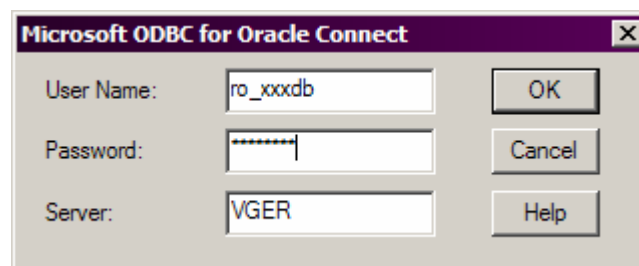


- c. The **Link** screen will be replaced by the **Select Data Source** screen

- i. Select the **Machine Data Source** tab.
- ii. Select the **Data Source Name** that matches the *Oracle SID*: from page 16:

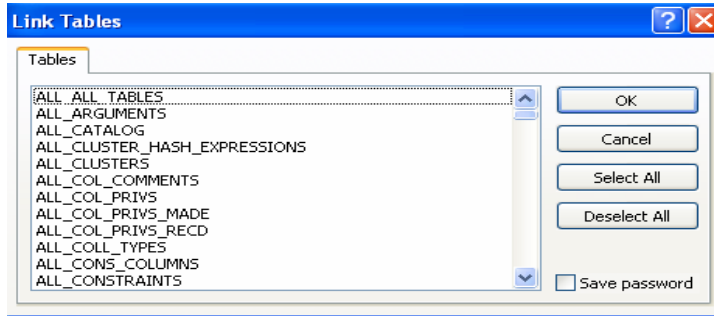


- iii. Click **OK**
- d. The **Select Data Source** window will be replaced by a **Microsoft ODBC for Oracle Connect** window.
- i. For **User Name** enter the *Read-only User Login* from page 16.
- ii. For **Password** enter your *Read-only User Password* from page 16.
- iii. For **Server** enter your *Oracle SID*: from page 16.
- iv. Click **OK**.



NOTE: It may take a few minutes before the next screen appears.

- e. The **Link Tables** screen will appear



- i. For **Voyager**

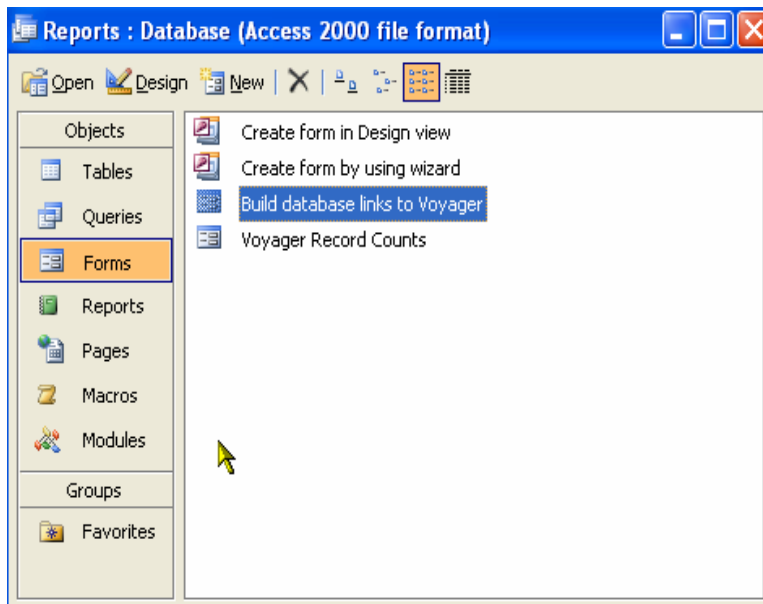
1. Click **Deselect All**
2. Click **OK**

- ii. For **Endeavor Heritage Digital Products**

1. Click on the first table so that it is selected
2. Scroll to the bottom of the list
3. Hold down the **SHIFT** key and click on the last table
4. Click **OK**
5. Contact Ex Libris Global Customer Support for assistance in completing your installation.

4. Build Database Links

- a. Under *Objects* select the *Forms* option



- b. Double-click **Build database links to Voyager**
- c. The **Build links to Voyager** screen will appear
 - i. For **ODBC Name** enter the *Oracle SID*: from page 16.
 - ii. For **Connect String** enter the *Oracle SID*: from page 16.
 - iii. For **DB User ID** enter the *Read-only User Login* from page 16.
 - iv. For **Password** enter the *Read-only User Password* from page 16.
 - v. For **Tablespace** enter the *Voyager Database Name* from page 16.
 - vi. Ensure the **Relink** box is checked.
 - vii. Click **Connect**.

The screenshot shows a dialog box titled "Build database links to Voyager". It contains the following fields and controls:

- ODBC Name: VGER
- Connect String: VGER
- DB User ID: ro_xxldb
- Password: xxxxxxxx
- Tablespace: xxldb
- Relink
- A large empty rectangular area for output.
- Buttons: Connect, Cancel, Close

- viii. The bottom window will list each table as it is successfully linked. The *ALL_TAB_COLUMNS* table will **not** link. *This is not an error.*
- ix. Once the tables have completed linking click **Close**.

Prepackaged Reports are now successfully linked!

