

FIMSWeb Oracle 11g Installation Guidelines

Introduction

This document has been prepared to help network administrators and experienced users install the necessary software for FIMSWeb users who will be using Microsoft Access to develop custom queries and reports against the FIMSWEB060216.mdb (or latest version) database.

This software is not needed for those FIMSWeb users who will be using the web version of FIMS for inputting data or generating FIMS standard reports, that access will take place from your Microsoft Internet Explorer browser. It is recommended that you verify that the FIMSWeb user will be developing Microsoft Access queries and reports before proceeding with this install.

VERY IMPORTANT: If your connection to Headquarters is over the Internet, it is important that you submit your IP prefix to Mark Gordy (mark.gordy@hq.doe.gov), Gayle Smith (gayle.smith@hq.doe.gov), or Mike Kohut (Michael.kohut@hq.doe.gov) so that the Headquarters firewall rules can be modified to allow you access to the FIMS database server. The IP prefix is the first 9 digits of your workstations IP address or the firewall IP address that your workstation is coming through. These firewall rules are only modified by the HQ Network support group on the first and third weekends of each month. If you are connecting to Headquarters over DOENET, there is no need to submit your IP prefix as your site already has access to the FIMS database server.

Oracle 11g 32-bit Software Distribution

You may want to check with your local network support group or FIMS field office system administrator because they may already have the ORACLE 11g Client software.

The Oracle 11g Client software is available for free at the Oracle website. To download software from Oracle you must first complete a free registration. Go to www.oracle.com. At the top of the page click the link Sign In/Register for an Account. Follow the directions to create an account if you don't already have one. Then proceed with downloading the required software as outlined below.

Once you are signed in, you can download the client software from the link below.

http://www.oracle.com/technology/database/enterprise_edition/downloads/index.html

At the Oracle download website, perform the following:

- a. On the Oracle Software Download page, click **Accept License Agreement** to the OTN License Agreement.
- b. Locate the topic Oracle Database 11g Release 2. Click **See All** next to Microsoft Windows (32-bit).

DO NOT INSTALL THE ORACLE CLIENT 64-BIT SOFTWARE BECAUSE YOU ARE RUNNING A 64-BIT OPERATING SYSTEM. MICROSOFT ACCESS 2007 REQUIRES THE ORACLE CLIENT 32-BIT SOFTWARE.

- c. Locate [Oracle Database 11g Release 2 Client \(11.2.0.1.0\) for Microsoft Windows \(32-bit\)](#) and select [win32_11gR2_client.zip](#).
- d. In the popup window choose **Save** and select a location on your computer to save the file. The downloaded file will then need to be unzipped.

If you are unable to obtain a copy through the methods above, you may request a CD by contacting the FIMS Hotline (301-337-6019).

Oracle 11g Software Installation

Administration rights on the computer where the software is being installed are required to install the Oracle 11g Client software. To install Oracle 11g, insert the Oracle 11g Client CD in the CD drive. If you downloaded the software, double-click the **client\setup.exe** file to initiate the install. Please note, the Oracle Installer takes a minute or so to initiate. Follow the following prompts for installation:

- a) Select **Custom** from the [Select Installation Type](#) window. Click **Next**.
- b) Click **Next** on the [Select Product Languages](#) window.
- c) On the [Specify Installation Location](#) window set

Oracle Base = **c:\app\fims**

Software Location = **c:\app\fims\product\11.2.0\client_1**

Click **Next**.

- d) From the [Available Product Components](#) window, click the check box to select the following products.

Oracle Advanced Security

Oracle ODBC Driver

Click **Next**.

- e) The next window displayed is the [Perform Prerequisite Checks](#). If failures are found view the details and attempt to correct. If not correctable, check **Ignore All** and click **Next** to continue.
- f) From the [Summary](#) window, click **Finish**.
- g) The [Install Product](#) window will appear and provide you with a status of each installation item. This process will take a few minutes.
- h) On the [Oracle Net Configuration Assistant: Welcome](#) page, select **Perform Typical Configuration**. Click **Next**. (This popup may get hidden behind other windows.)
- i) Click **Next** again on the next window.
- j) When the message [Oracle Net Configuration Complete](#) is received, click **Finish**.
- k) Upon receiving the message "[The installation of Oracle Client was successful](#)", click the **Close** button to end the installation process.

Microsoft Access

Install Microsoft Access according to the vendor installation directions. If Microsoft Access was previously installed, proceed with the next section.

Download files from the FIMS Web Site

The FIMS custom query Microsoft Access database, FIMSWEB060216.mdb (or latest version), is available from the FIMS web site. The sqlnet.ora and tnsnames.ora FIMS customized files for the Oracle install can be obtained from the FIMS Hotline (301-337-6019). Follow the instructions below to obtain these files.

FIMSWEB060216.mdb (or latest version)

- a) Create a new folder on your hard drive labeled **c:\fims**.
- b) Access the FIMS website at <http://fimsinfo.doe.gov>
- c) Click the **Downloads** topic.
- d) Click the **FIMSWEB060216.mdb** (or latest version) link to download the Microsoft Access database file.
- e) Click **Save** on the File Download window.
- f) On the Save As window, locate the **c:\fims** folder in the Save In field. Click **Save**.

TNSNAMES.ORA and SQLNET.ORA

- g) If you don't already have these two custom FIMS files at your site, contact the FIMS Hotline (301-337-6019) so that they can provide you with these important files.
- h) Store these two files in the **c:\app\fims\product\11.2.0\client_1\network\admin** folder.

Microsoft ODBC Data Source Name Setup

1. Setup the Microsoft ODBC data source name.
 - a) Click the **Start** button. Click **All Programs**.
 - b) Click **Oracle – OraClient11g_home**. Click **Configuration and Migration Tools**, and then click **Microsoft ODBC Administration**.
 - c) Click the **System DSN** tab on the ODBC Data Source Administrator window. Click **Add**.
 - d) From the Create New Data Source window, click **Oracle in OraClient11g_home** and click **Finish**.
 - e) At the Oracle ODBC Driver Configuration window, input the following:

Data Source Name: **fims_prod**

TNS Service Name: **PROD**

Accept all other defaults (and leave the blank fields blank). Click **OK**.
 - e) Click **OK** to exit.
2. Test the connectivity by double-clicking the Microsoft Access database file, c:\fims\FIMSWEB060216.mdb (or latest version) to open it. Change the left hand pane to display the database **Tables** using the available picklist (may currently be displaying Queries). Double-click the **FIMS_TBL_AREA** table to open it. If records are displayed in the table, the connection is successfully.

If you receive an 'ODBC call failed' message, check that you have installed the appropriate files for the Oracle11g client, make sure the TNSNAMES.ORA and SQLNET.ORA files have been placed in the correct folder and verify the ODBC data source name setup.