Creating OpenLAB Shared Services Databases on Oracle Systems

Read this guide to learn how to create the Shared Services Database on a database server running Oracle Database 11*g* Release 2.

Before You Begin

The following constraints apply:

- The Oracle Database Client for Microsoft Windows (32-Bit) software must be installed on the server running the Oracle Database program.
- If you are installing CDS on an "all-in-one" system running Microsoft Windows 2008 R2 in a 64-bit environment, you must install the 32-bit version of Oracle Database.
- If deploying an OpenLAB Chromatography Data System (CDS) with an ECM repository, both ECM and CDS must use the same database product (that is, either Oracle Database or Microsoft SQL Server).

Creating the Shared Services Database

To create the Shared Services Database on the database server, do the following:

- Install OpenLAB Shared Services
- Configure Oracle networking components

Create the Shared Services Database

1. Log on Windows as a user with system administrator permissions.
2. Install Oracle Database 11*g* Release 2 and create the database. When prompted, change the database name from ORCL to OLSS
3. At the end of the installation process, use the Password Management tool to set the passwords for the SYS & SYSTEM users.
4. In disk1/tools/oracle, edit the OlssMain.sql script as follows:

```
DEFINE CORE_TS = "OLSSCORE"
DEFINE CORE_TS_FILE = 'C:\oraclexe\oradata\XE\olsscore.dbf'
DEFINE INDEX_TS = "OLSSINDEX"
DEFINE INDEX_TS_FILE = 'C:\oraclexe\oradata\XE\olssindex.dbf'
DEFINE ALOG_TS = "OLSSALOG"
DEFINE ALOG_TS_FILE = 'C:\oraclexe\oradata\XE\olssalog.dbf'
DEFINE OLSS_USER_NAME = olssAdmin
DEFINE OLSS_USER_PASSWORD = Welcome01
```
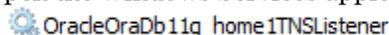
Change the file paths to reflect your environment. You also may change the file sizes.

5. In Windows, start the cmd.exe, and set your current directory to the one containing the OlssMain.sql, coreDB.sql, and ActivityLog.sql files (such as, cd c:\tmp).

6. Start the SQL*Plus program.

7. When prompted for a user name and password, type **system** and the password you set earlier.

8. At the sqlplus prompt, type **@OlssMain**

9. At the sqlplus prompt, type **commit**

10. Quit the SQL*Plus program.

Configure Oracle networking components

Use the following procedure to configure the Oracle networking components. This must be done, even for "all-in-one" systems.

1. Use Windows explorer to navigate to the Oracle network configuration directory (will depend on where you installed oracle). E.g.: C:\app\aautolog\product\11.2.0\dbhome_1\NETWORK\ADMIN

2. Using a text editor, such as Notepad, open listener.ora file and replace the machine name "localhost" with the name of your system.

3. Using a text editor, such as Notepad, open the tnsnames.ora file and replace the machine name "localhost" with the name of your system.

4. Open the Windows Services applet and restart the service
   OracleOraDb11g_home1TNSListener

Continue with installing the OpenLAB CDS program according to the OpenLAB CDS Installation Guide.

Deleting an Existing CDS-DB on an Oracle Server

Use this procedure only if you need to reinstall the CDS server or completely clear the database. Otherwise, do not use this procedure.

Use the following to delete the OpenLAB database without the need to execute the script on the Oracle server:

SQL>
Drop user "user name as specified in the script" cascade;
Drop tablespace OLSSALOG including contents and datafiles;
Drop tablespace OLSSCORE including contents and datafiles;
Drop tablespace OLSSINDEX including contents and datafile