

How to Configure the Oracle Database Application Server for use with PowerLOGJ 2.0 in a Windows Environment

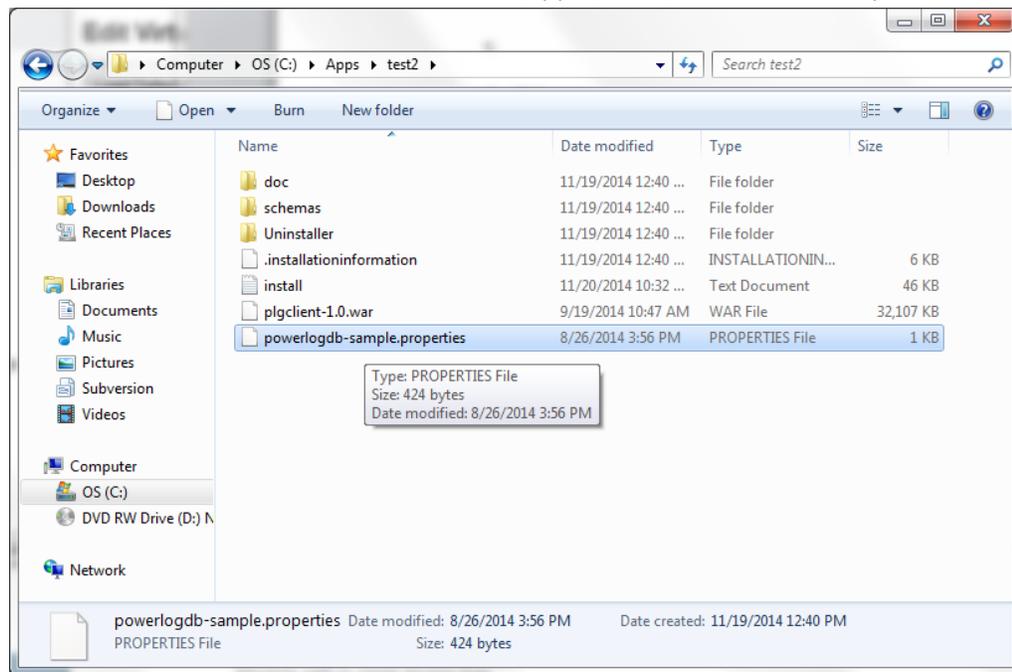
Notes:

- This documentation is based on the configuration of Oracle Database Express 11.2 g.
- Run the “PowerLOGJ2-Enterprise.exe” file. This will install files required for the following procedures. The default <powerlogj installation directory> will be “C:\Users\{username}\USAMC LOGSA\PowerLOGJ2\”.
- The required SQL scripts will be located in the following directory{ <powerlogj installation directory>\schemas }

Procedures:

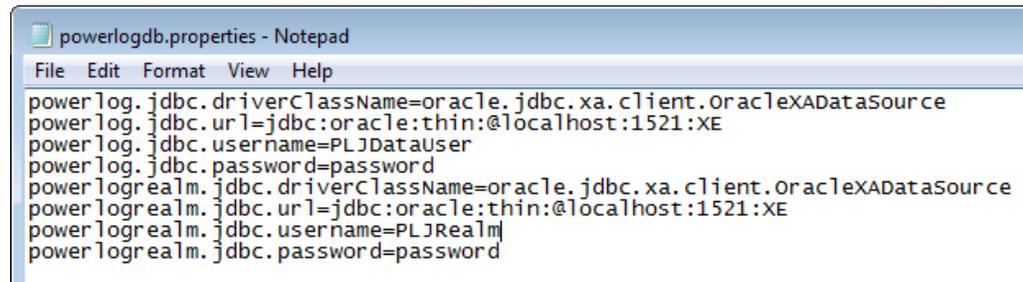
1. Create a Tablespace
 - a. <Name> – “PLG”
 - b. <DataFile> – {D:\ordata\plg.dfb}; <user defined path to data file>
 - c. <Autoextend> – “on next 100M”
 - d. <Size> – “100M”
2. Create a PLJ Application User
 - a. Properties
 - i. <Name> – “PLJDataUser”
 - ii. <Default> Tablespace – “PLG”
 - iii. <Identified by> – {user defined password}
 - b. Grant privileges
 - i. “create session”
 - ii. “connect”
 - c. Alter – “Quota unlimited on PLG”
3. Create a PLJ Staging User
 - a. Properties
 - i. <Name> – “PLJStagingUser”
 - ii. <Default Tablespace> – “PLG”
 - iii. <Identified by> – {user defined password}
 - b. Grant privileges
 - i. “create session”
 - ii. “connect”
 - c. Alter – “Quota unlimited on PLG”
4. Create a PLJ Realm User
 - a. Properties
 - i. <Name> – “PLJRealm”
 - ii. <Default Tablespace> – “PLG”
 - iii. <Identified by> – {user defined password}
 - b. Grant privileges

- i. “create session”
 - ii. “connect”
 - iii. “insert” on “POWERLOGJUSERS” & “POWERLOGJGROUPS”
 - iv. “update” on “POWERLOGJUSERS” & “POWERLOGJGROUPS”
 - v. “delete” on “POWERLOGJUSERS” & “POWERLOGJGROUPS”
 - vi. “select” on “POWERLOGJUSERS” & “POWERLOGJGROUPS”
 - c. Alter – “Quota unlimited on PLG”
5. Run the SQL script named “oracle.sql” as Oracle DBA account.
6. Run the SQL script named “oraclejdbcrealm.sql” as PLJRealm.
7. Create a “powerlogdb.properties” file.
 - a. Using Windows Explorer, browse to the “powerlogdb-sample.properties” file. The location of the folder was chosen during the “PowerLOGJ2-Enterprise.exe” installation. The default location is “C:\Users\{username}\USAMC LOGSA\PowerLOGJ2\”. In the case shown below, the file is located in “C:\Apps\test2\schemas directory”.



- b. Using a Text Editor, such as, “Notepad”, “WordPad”, or “TextPad”, open the “powerlogdb-sample.properties” file. Modify the “powerlog.jdbc.password” value to the “PLJDataUser’s” password created earlier in these procedures. Modify the “powerlogrealm.jdbc.password” value to the “PLJRealm’s” password created earlier in these procedures. The “powerlog.jdbc.username” must be the same as the user created in step 2. Also, the “powerlogrealm.jdbc.username” must be the same as the user created in step 4. As stated earlier, this configuration was complete on a local Oracle Database Express. If this was the full version of Oracle Database some of the variables will change. In the case shown below, the “powerlog.jdbc.url” would be modified to change the {localhost} and Oracle {SID}. The format would be as follows:

“jdbc:oracle:thin:@<machine name or IP>:1521:SID”, where {machine name or IP} is the DNS entry or the IP address of the server. By default the listener is {port} 1521 and the {SID} is “ORCL” (for the full Oracle Enterprise version), which both can be changed.



```
powerlog.jdbc.driverClassName=oracle.jdbc.xa.client.OracleXADataSource
powerlog.jdbc.url=jdbc:oracle:thin:@localhost:1521:XE
powerlog.jdbc.username=PLJDataUser
powerlog.jdbc.password=password
powerlogrealm.jdbc.driverClassName=oracle.jdbc.xa.client.OracleXADataSource
powerlogrealm.jdbc.url=jdbc:oracle:thin:@localhost:1521:XE
powerlogrealm.jdbc.username=PLJRealm
powerlogrealm.jdbc.password=password
```

- c. Depending on the Application Server used, save this file as “powerlogdb.properties” and place it in the Application Server’s Domain classes directory. Refer to the appropriate Application Server Configuration Guide, which can be found on LOGSA’s website or contact the LOGSA Technical Support Branch. The database configuration is now complete. To finish the installation and configuration of PowerLOGJ 2.0, configure a J2EE compliant Application Server.