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1 Install Oracle 11g Express (XE) on CentOS
2 Refer to : http://www.davidghedini.com/pg/entry/install\_oracle\_11g\_xe\_on
3
4 This post will cover basic installation and configuration of Oracle 11g Express Edition (XE) on CentOS.
5 We will also take a quick look at configuring Application Express (APEX) for 11g XE.
6 Basic installation is straight forward.
7 If you just want to get up and running, you can just do steps 1 to 4 below (and 10 and 11 for Apex).
8 The remaining steps (5 to 9) cover basic backup, recovery, and performance configuration.
9 The full system requirements are here(https://docs.oracle.com/cd/E17781\_01/install.112/e18802/toc.htm#XEINL102)
10
11 Your CentOS box should have swap equal to 2xRAM.
12
13
14 Step 0 :
15     1. Needed to update/install the packages for libaio, bc, and flex.
16         # yum install libaio bc flex
17
18     2. Change /etc/hosts
19         127.0.0.1      localhost
20         Your-Server-IP  CentOS-DB
21
22     3. SELINUX 해제
23         # vi /etc/selinux/config
24         SELINUX=enforcing --> SELINUX=disabled
25         # reboot
26
27 Step 1: Download and Install Oracle 11g XE rpm
28     You can download the Oracle XE rpm, oracle-xe-11.2.0-1.0.x86_64.rpm.zip, from the OTN here(http://www.oracle.com/technetwork/database/express-edition/xe112-downloads-088476.html)
29
30     1. Unzip oracle-xe-11.2.0-1.0.x86_64.rpm.zip:
31         # unzip -q oracle-xe-11.2.0-1.0.x86_64.rpm.zip
32         This will create the directory Disk1.
33     2. Change to the Disk1 directory:
34         # cd Disk1
35         # ls
36         oracle-xe-11.2.0-1.0.x86_64.rpm  response  upgrade
37
38     3. Install the rpm using rpm -ivh oracle-xe-11.2.0-1.0.x86_64.rpm
39         # rpm -ivh oracle-xe-11.2.0-1.0.x86_64.rpm
40         Preparing...                               ##### [100%]
41         1:oracle-xe                               ##### [100%]
42         Executing post-install steps...
43         You must run '/etc/init.d/oracle-xe configure' as the root user to configure the database.
44
45
46 Step 2: Configure 11g XE Database and Options
47     When installation completes, run '/etc/init.d/oracle-xe configure' to configure and start the database.
48     Unless you wish to change the ports, except the defaults and set SYS/SYSTEM password.
49     1. # /etc/init.d/oracle-xe configure
50
51     Oracle Database 11g Express Edition Configuration
52     -----
53     This will configure on-boot properties of Oracle Database 11g Express
54     Edition. The following questions will determine whether the database should
55     be starting upon system boot, the ports it will use, and the passwords that
56     will be used for database accounts. Press <enter> to accept the defaults.
57     Ctrl-C will abort.
58
59     Specify the HTTP port that will be used for Oracle Application Express [8080]:
60
61     Specify a port that will be used for the database listener [1521]:
62
63     Specify a password to be used for database accounts. Note that the same
64     password will be used for SYS and SYSTEM. Oracle recommends the use of

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65      different passwords for each database account. This can be done after
66      initial configuration:
67      Confirm the password:
68
69      Do you want Oracle Database 11g Express Edition to be started on boot (y/n) [y]:y
70
71      Starting Oracle Net Listener...Done
72      Configuring database...Done
73      Starting Oracle Database 11g Express Edition instance...Done
74      Installation completed successfully.</enter>
75
76      The installation created the directory /u01 under which Oracle XE is installed.
77
78
79 Step 3: Set the Environment
80 1. To set the required Oracle environment variables, use the oracle_env.sh the script included under cd
81    # cd /u01/app/oracle/product/11.2.0/xe/bin
82
83 2. To set the environment for your current session run '. ./oracle_env.sh':
84    # . ./oracle_env.sh
85
86 3. To set the environment permanently for users, add the following to the .bashrc or .bash_profile of the
87    # . /u01/app/oracle/product/11.2.0/xe/bin/oracle_env.sh
88
89 4. You should now be able to access SQL*Plus
90    # sqlplus /nolog
91
92    SQL*Plus: Release 11.2.0.2.0 Production on Wed Sep 21 08:17:26 2011
93
94    Copyright (c) 1982, 2011, Oracle. All rights reserved.
95
96    SQL> connect sys/Password as sysdba
97    Connected.
98    SQL>
99
100
101 Step 4: Allow Remote Access to Oracle 11g XE GUI
102 1. To allow remote access to Oracle 11g XE GUI (as well as Application Express GUI) issue the following
103    SQL> EXEC DBMS_XDB.SETLISTENERLOCALACCESS(FALSE);
104    PL/SQL procedure successfully completed.
105
106 2. http://localhost:8080/apex
107
108 3. http://your-server-ip:8080/apex
109
110
111 Step 5: Reboot
112 1. # cat $ORACLE_HOME/network/admin/listener.ora
113    # listener.ora Network Configuration File:
114
115    SID_LIST_LISTENER =
116      (SID_LIST =
117        (SID_DESC =
118          (SID_NAME = PLSExtProc)
119          (ORACLE_HOME = /u01/app/oracle/product/11.2.0/xe)
120          (PROGRAM = extproc)
121        )
122      )
123
124    LISTENER =
125      (DESCRIPTION_LIST =
126        (DESCRIPTION =
127          (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC_FOR_XE))
128          (ADDRESS = (PROTOCOL = TCP)(HOST = CentOS-DB)(PORT = 1521))
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129         )
130     )
131
132     DEFAULT_SERVICE_LISTENER = (XE)
133
134 2. # $ORACLE_HOME/network/tnsnames.ora
135    # tnsnames.ora Network Configuration File:
136
137    XE =
138        (DESCRIPTION =
139            (ADDRESS = (PROTOCOL = TCP)(HOST = CentOS-DB)(PORT = 1521))
140            (CONNECT_DATA =
141                (SERVER = DEDICATED)
142                (SERVICE_NAME = XE)
143            )
144        )
145
146    EXTPROC_CONNECTION_DATA =
147        (DESCRIPTION =
148            (ADDRESS_LIST =
149                (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC_FOR_XE))
150            )
151            (CONNECT_DATA =
152                (SID = PLSExtProc)
153                (PRESENTATION = RO)
154            )
155        )
156
157 3. # $ORACLE_HOME/bin/tnslsnr
158
159 4. In another terminal, # /etc/init.d/oracle-xe status
160
161    LSNRCTL for Linux: Version 11.2.0.2.0 - Production on 09-NOV-2017 23:12:35
162
163    Copyright (c) 1991, 2011, Oracle. All rights reserved.
164
165    Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC_FOR_XE)))
166    STATUS of the LISTENER
167    -----
168    Alias                                LISTENER
169    Version                              TNSLSNR for Linux: Version 11.2.0.2.0 - Production
170    Start Date                           09-NOV-2017 22:56:18
171    Uptime                               0 days 0 hr. 16 min. 17 sec
172    Trace Level                           off
173    Security                             ON: Local OS Authentication
174    SNMP                                  OFF
175    Default Service                       XE
176    Listener Parameter File               /u01/app/oracle/product/11.2.0/xe/network/admin/listener.ora
177    Listener Log File                     /u01/app/oracle/diag/tnslsnr/CentOS-DB/listener/alert/log.xml
178    Listening Endpoints Summary...
179        (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC_FOR_XE)))
180        (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=192.168.56.4)(PORT=1521)))
181        (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=CentOS-DB)(PORT=8080))(Presentation=HTTP)(Session=RAW))
182    Services Summary...
183    Service "PLSExtProc" has 1 instance(s).
184        Instance "PLSExtProc", status UNKNOWN, has 1 handler(s) for this service...
185    Service "XE" has 1 instance(s).
186        Instance "XE", status READY, has 1 handler(s) for this service...
187    Service "XEXDB" has 1 instance(s).
188        Instance "XE", status READY, has 1 handler(s) for this service...
189    The command completed successfully
190

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