IBM

First Line Customer Care Database Installation and Configuration Guide

First Line Customer Care Database Installation and Configuration Guide v1.0.doc

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Document Control

Revision History

Date of this revision: 2011-04-21	Date of next revision	*(date)*

Revision Number	Revision Date	Summary of Changes
1.0	2011-04-19	

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1.   Identification

1.1   Purpose

The primary purpose of this document is to provide step of create oracle database, table auto partition maintain.

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2. Oracle Version and Patch

- Oracle Database version = **Oracle Database 10g Enterprise Edition Release 10.2.0.4 - 64bit Production**
- Oracle Database Patchset = Patchset 10.2.0.4

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3.   Create New Database

1. Log on to your computer as a member of the administrative group that is authorized to install Oracle software and create and manage the database. Please make sure that you can access the GUI when perform the database creation. You may use the thirty party tools like Xmanager to display the database creation wizard.

2. Launch the DBCA on a UNIX operating system by entering the following at a command prompt:

    dbca

3. The parameters to create the database successfully are the following:

     i. Create a Database

     ii. Database template: *General Purpose*

     iii. Global Database Name: *ccdb*

     iv. SID: *ccdb*

     v. Configure the Database with Enterprise Manager

        1. Use Database Control for Database Management

     vi. Storage mechanism: *File System*

     vii. Location for the creation of the datafiles: *Use Database File Locations from Template*

     viii. Recovery options:

        1. *Flash Recovery Area*

        2. *Enable Archiving*

     ix. Memory: *Typical*

     x. Character set: *Use the Default*

     xi. Connection Mode: *Shared Server Mode*

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4.   Create User

4.1   Create User script

1. In the unix command prompt su to oracle user
    su – oracle

2. Execute sqlplus command shown as below
    sqlplus / as sysdba

3. Run the command shown as below
    SQL>@create_user.txt

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5.   Create Tablespaces

5.1   Create Tablespaces script

Login as a sysdba and execute file call create_tablespace.txt

1. In the unix command prompt su to oracle user

    su – oracle

2. Execute sqlplus command shown as below

    sqlplus / as sysdba

3. Run the command shown as below, the create_tablespace.txt script default filesystem mount point is /oradata please change this mount point accordingly if you are you not using mount point call /oradata.
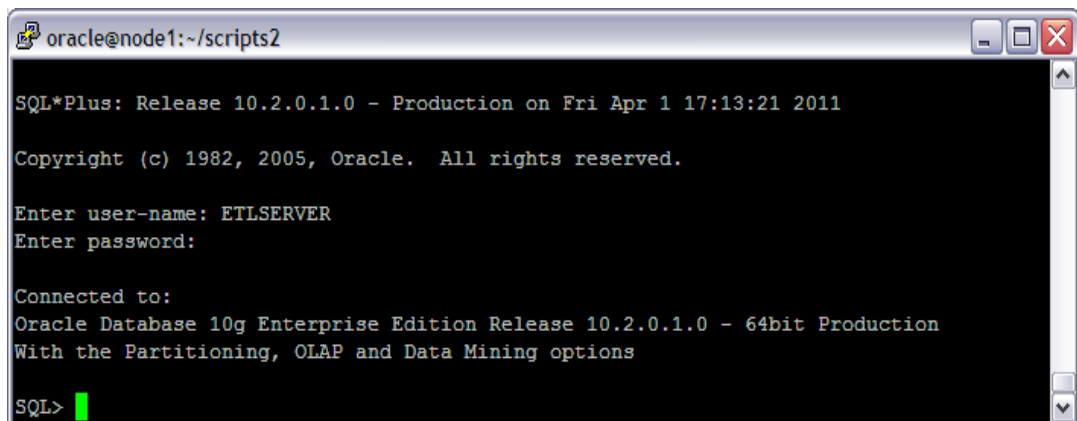
    SQL>@create_tablespace.txt

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![IBM logo]

6.   Create Tables

6.1   Create Tables script

Login as an ETLSERVER user execute the file call create_tables.txt

1. In the unix command prompt su to oracle user

    su – oracle

2. Execute sqlplus command and key in the ETLSERVER and password as a ETLSERVER

    sqlplus

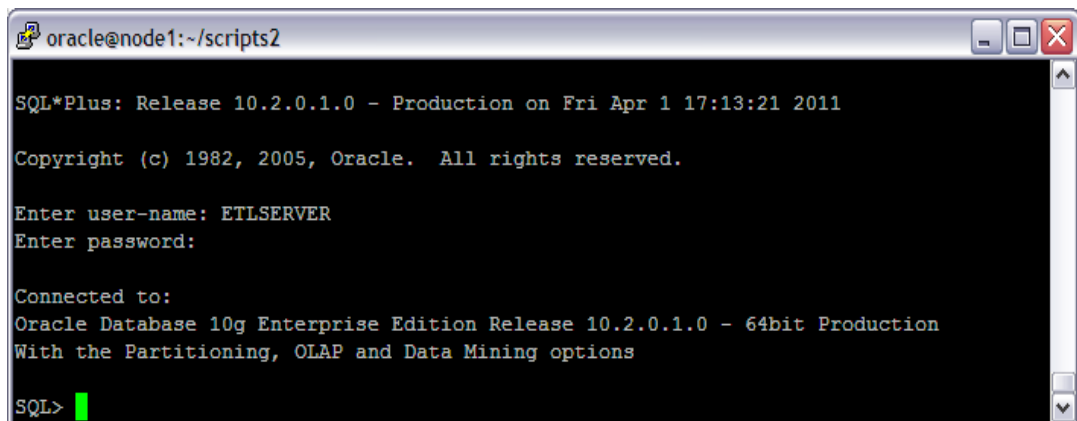3. Run the command shown as below

    SQL>@create_tables.txt

7. Create View

7.1 Execute create view script

Login as an ETLSERVER user execute the file call create_tables.txt

1. In the unix command prompt su to oracle user

   su – oracle

2. Execute sqlplus command and key in the ETLSERVER and password as a ETLSERVER

   sqlplus

3. Run the command shown as below

   SQL>@create_view.txt

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8.   Create Indexes

8.1   Indexes List

Login as an ETLSERVER user create the following indexes:

1. TXN_VOI_SVC table
   - i.   STATUS column
   - ii. DATETIME column
   - iii. IMSI column
2. TXN_DATA_SVC table
   - i.   STATUS column
   - ii. DATETIME column
   - iii. IMSI column

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9.   Grant Permission to ETLSERVER

9.1   Grant permission script

Login as a sysdba and execute the below file call grant.txt

1. In the unix command prompt su to oracle user
    su – oracle

2. Execute sqlplus shown as below
    sqlplus / as sysdba

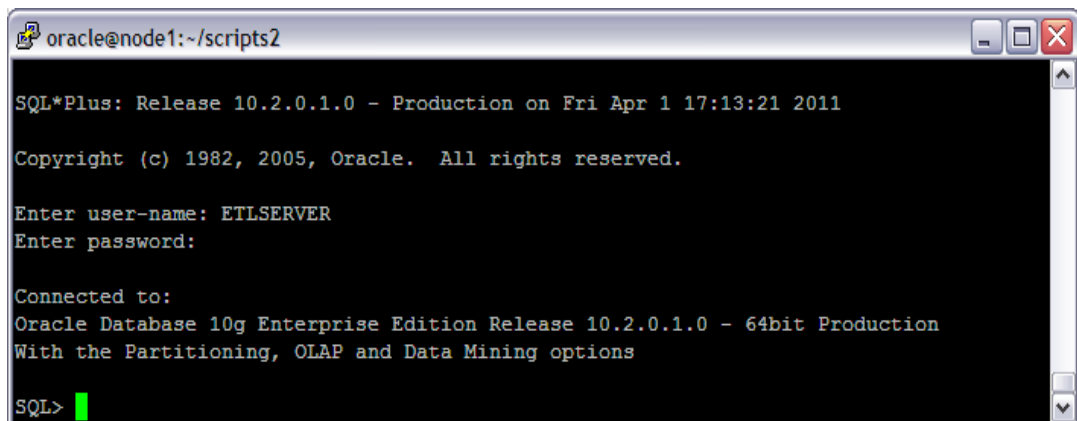3. Run the command shown as below
    SQL>@grant.txt

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10.   Create a Role

10.1 Create a Role Scripts

Login as an ETLSERVER user execute the file call create_tables.txt

1. In the unix command prompt su to oracle user

   su – oracle

2. Execute sqlplus command and key in the ETLSERVER and password as a ETLSERVER

   sqlplus

   ```
   oracle@node1:~/scripts2

   SQL*Plus: Release 10.2.0.1.0 - Production on Fri Apr 1 17:13:21 2011

   Copyright (c) 1982, 2005, Oracle.  All rights reserved.

   Enter user-name: ETLSERVER
   Enter password:

   Connected to:
   Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - 64bit Production
   With the Partitioning, OLAP and Data Mining options

   SQL>
   ```

3. Run the command shown as below

   SQL>@SA_READONLY_ROLE.txt
   SQL>@SA_SERVER_ROLE.txt

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