

Creating manually the Oracle 11.2 BSI Database under Linux

This document is a sample of how to create the CA BSI 8.2 Oblicore database on an Oracle Linux, so you can installed CA Business Service Insight 8.2 version on a different Box.

Please note that this guide must be taken has an example. Oracle is not CA Technology software and for any problem that you encounter in the installation or in its mall function you will have to contact Oracle for further assistance.

Best Practice

- ➔ We recommend that you copy the CD on to a local directory and from there you do the modification and then the installation.
- ➔ You need to put in the Environment Variables the **ORACLE_HOME** else the creation will fail of the DB.
- ➔ You have to verify that the Oracle **"Listener"** is created and active
- ➔ Under the HOSTS file it is a good Idea to put the IP and host_name of the Oracle server.

Login has root user

Do the next steps:

Copy Setup on to the Linux:

Create a directory on where you will use to copy the CA BSI files and where you will use to install.

- ➔ Mkdir -p /Software/Setup
- ➔ Chown -R oracle:oinstall /Software/Setup
- ➔ Chmod -R 777 /Software/Setup

Create a directory on where we will use to create the Oblicore Database for CA BSI.

- ➔ Mkdir -p /oracle/oblicore
- ➔ Chown -R oracle:oinstall /oracle/oblicore
- ➔ Chmod -R 777 /oracle/Oblicore

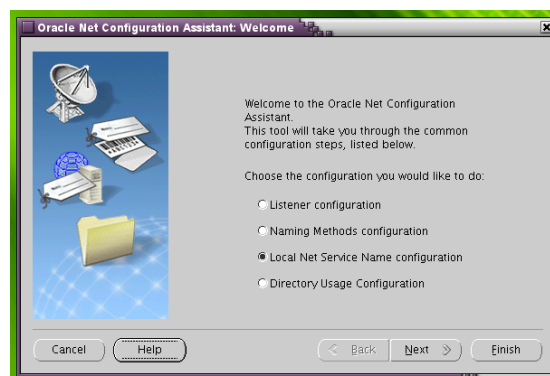
Login has as oracle user

Step to create the TNS Name need to create the database under Oracle that will be needed

Example: oracle@Server_name:> netca

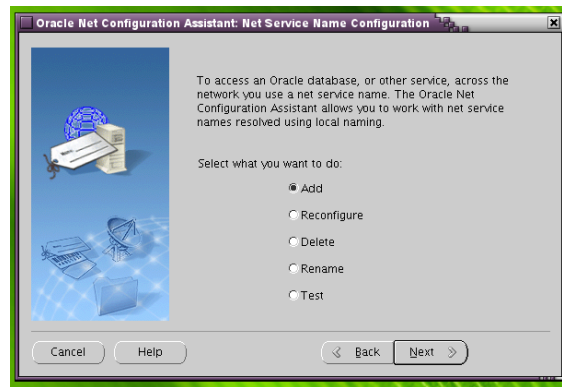
We will configure the "Local Net Service Name Configuration" (TNS Name) needed to create BSI Database

- ➔ "Local Net Service Name Configuration"



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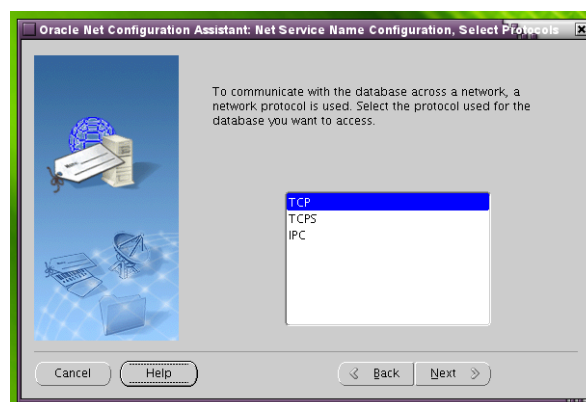
We will add a Net Service Name, so we will choose add:



Under the Service Name we will use: **oblicore**

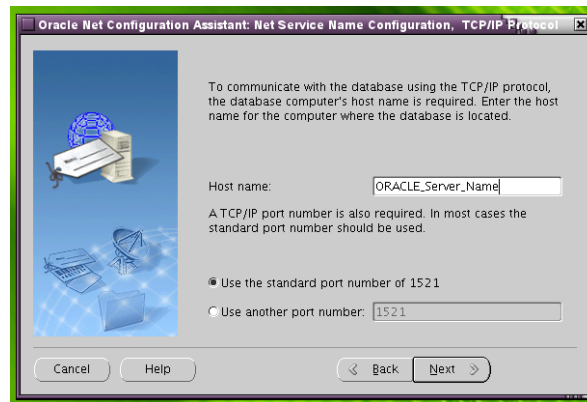


Define TCP for the communication:



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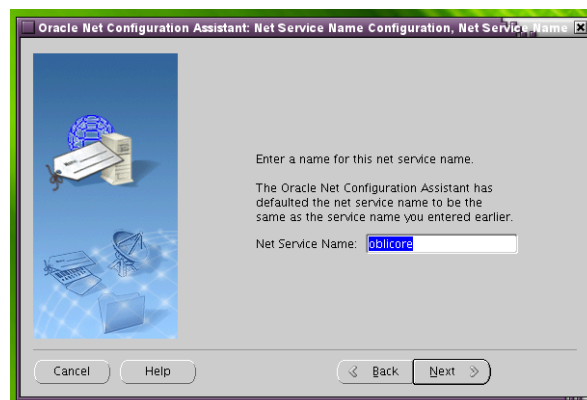
Under this screen you will put in the name of the Oracle Server



Select NO, do not test

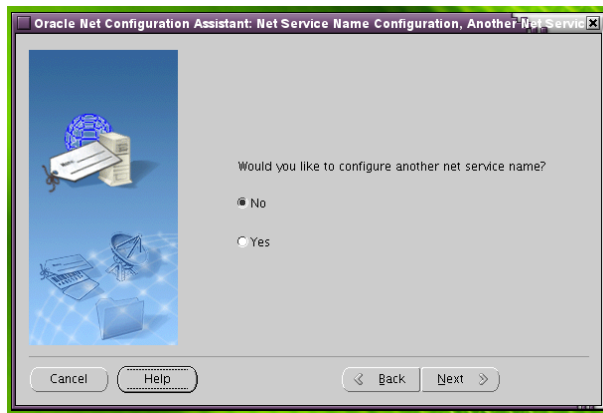


Under this screen enter the name oblicore, to leave as default



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Select NO



Finish.

NOTE: you should have created the file TNSnames.ora under:

`/opt/oracle/product/11.2/DB_1/network/admin`

You must verify the TNS Name is active and working well, this can be done by running the **"TNSping Oblicore"** under a DOS window.

```
oracle@6201-LAB350-SP:~$ cd /opt/oracle/product/11.2/DB_1/network/admin
oracle@6201-LAB350-SP:~$ ./tnsping oblicore
TNS Ping Utility for Linux: Version 11.2.0.1.0 - Production on 21-AUG-2013 15:31:07
Copyright (c) 1997, 2009, Oracle. All rights reserved.

Used parameter files:
/opt/oracle/product/11.2/DB_1/network/admin/sqlnet.ora

Used TNSNAMES adapter to resolve the alias
Attempting to contact (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST =
6201-lab350-sp)(PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = oblicore)))
OK (10 msec)
oracle@6201-LAB350-SP:~$
```

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Now what we will do is copy the Directory from the CD "CA Business Service Insight r8.2" (DVD08143130M.iso) to the Linux directory

- ➔ In the Directory in the CD: \Server\program files\CA\Cloud insight\
 - ➔ Copy the Directory: **Setup**
 - ➔ To the Linux File System: /Software
(Copy all the subdirectories and Files under Setup)
 - ➔ Mkdir -p /Software/Setup/InstallDB/Log
 - ➔ Chown -R oracle:oinstall /Software/Setup
 - ➔ Chmod -R 777 /Software/Setup

File conversion from DOS format to UNIX:

Under the directory: /Software/Setup run this convert:

- ➔ Dos2unix Setup/InstallDB/Main.sh
- ➔ Dos2unix Setup/InstallDB/start_parameters.ini
- ➔ Dos2unix Setup/InstallDB/addTnsName.sh
- ➔ Dos2unix Setup/InstallDB/Build_Schema/schema_build.sh
- ➔ Dos2unix Setup/InstallDB/Build_Schema/SearchReplace.sh
- ➔ Dos2unix Setup/InstallDB/Build_DB/makedir.sh
- ➔ Dos2unix Setup/InstallDB/Build_DB/Oblicore.dbt
- ➔ Dos2unix Setup/InstallDB/Build_DB/CreateInstance.sh
- ➔ Dos2unix Setup/InstallDB/Build_DB/PostCreateInstance.sh
- ➔ Dos2unix Setup/InstallDB/Build_TBS_Users/tbs_users_build.sh

To start the installation:

To start the installation you must first find the file "start_parameters.ini" under the directory /Software/Setup/InstallDB/

- Edit the file "**start_parameters.ini**"

[DataBaseDetails]

OBLICORE_ROOT=/oracle/oblicore

DB_NAME=oblicore

ORACLE_HOME=/opt/oracle/product/11.2/DB_1

ORACLE_VERSION =11

DB_SIZE= large

SYS_PASS=sys

OBLICORE_USER=oblicore

OBLICORE_PASS=oblicore

OBLIDBADMIN_PASS=oblidbadmin

DB_CHARSET=utf8

DB_SYNONYM=public

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Best Practice

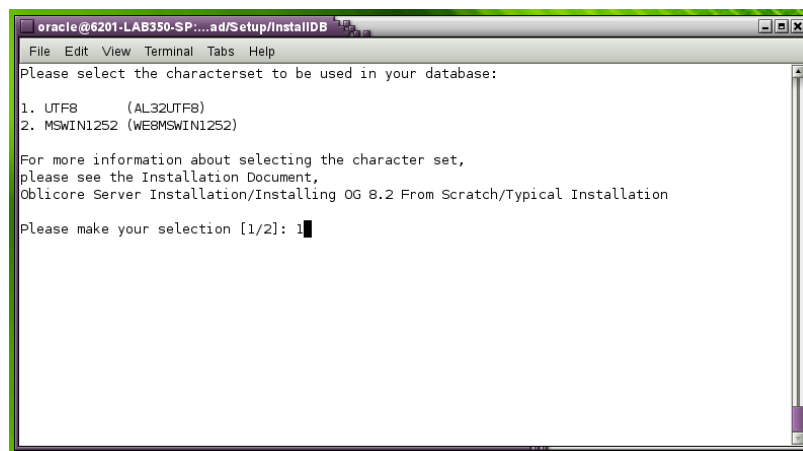
After modifying the file, you will have to create manually the directory where the database will be created “/oracle/oblicore” so in the creating process it does not fail.

To start the installation

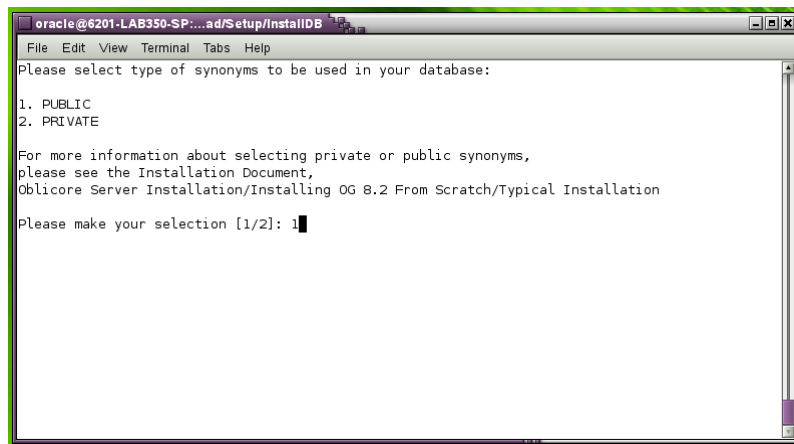
Change to the directory where the SetupDB\InstallDB and run the batch file **sh Main.sh**

The next step is open a “Command Line Terminal” will appear that will show you and ask you if you want to start the creation of the database

At this step it is asking for what Character set you will be using to create the database of oblicore, we recommend that you use AL32UTF8

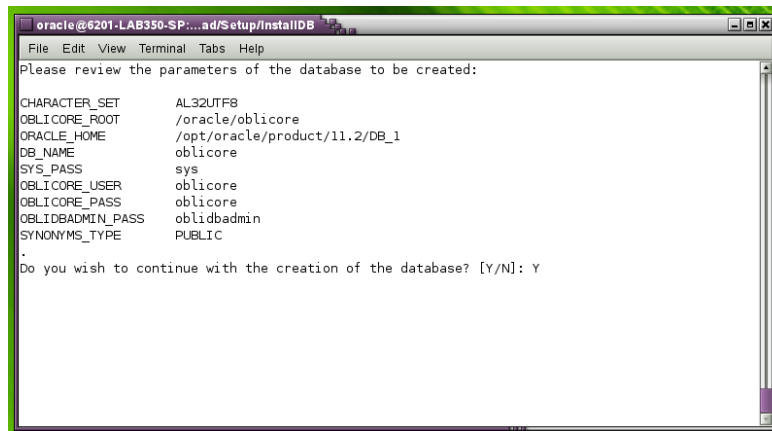


Under this next screen it is asking you to please select the synonyms to be used in the oblicore database, we recommend Public



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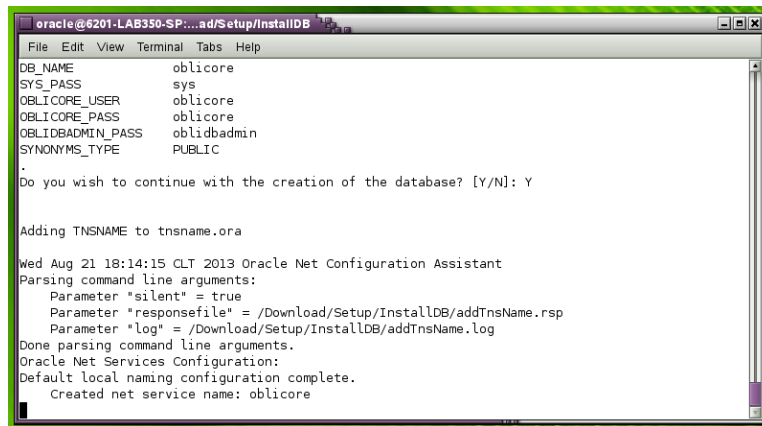
At this next screen, it is asking to confirm that the database is correct in order to carry on.



```
oracle@6201-LAB350-SP:~$ cd /Setup/InstallDB
File Edit View Terminal Tabs Help
Please review the parameters of the database to be created:

CHARACTER_SET      AL32UTF8
OBLICORE_ROOT       /oracle/oblicore
ORACLE_HOME         /opt/oracle/product/11.2/DB_1
DB_NAME             oblicore
SYS_PASS            sys
OBLICORE_USER        oblicore
OBLICORE_PASS        oblicore
OBLIDBADMIN_PASS     oblidbadmin
SYNONYMS_TYPE        PUBLIC
.
Do you wish to continue with the creation of the database? [Y/N]: Y
```

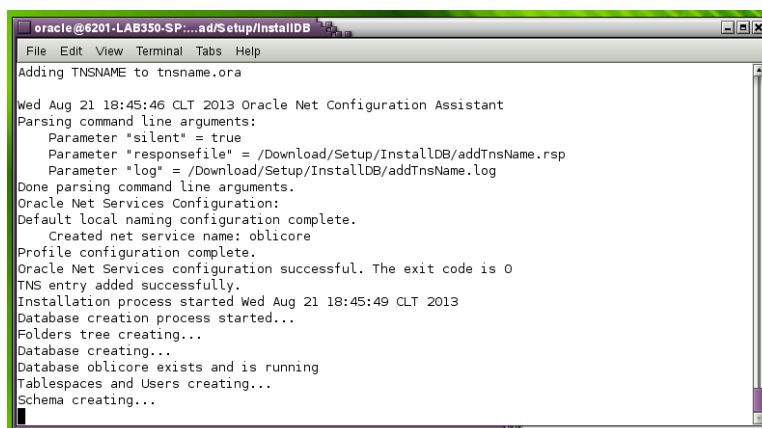
After pressing Y and enter, this will start with the creation of the TNSNAME and the creation of the Database “oblicore”



```
oracle@6201-LAB350-SP:~$ cd /Setup/InstallDB
File Edit View Terminal Tabs Help
DB_NAME             oblicore
SYS_PASS            sys
OBLICORE_USER        oblicore
OBLICORE_PASS        oblicore
OBLIDBADMIN_PASS     oblidbadmin
SYNONYMS_TYPE        PUBLIC
.
Do you wish to continue with the creation of the database? [Y/N]: Y

Adding TNSNAME to tnsname.ora

Wed Aug 21 18:14:15 CLT 2013 Oracle Net Configuration Assistant
Parsing command line arguments:
  Parameter "silent" = true
  Parameter "responsefile" = /Download/Setup/InstallDB/addTnsName.rsp
  Parameter "log" = /Download/Setup/InstallDB/addTnsName.log
Done parsing command line arguments.
Oracle Net Services Configuration:
Default local naming configuration complete.
Created net service name: oblicore
```

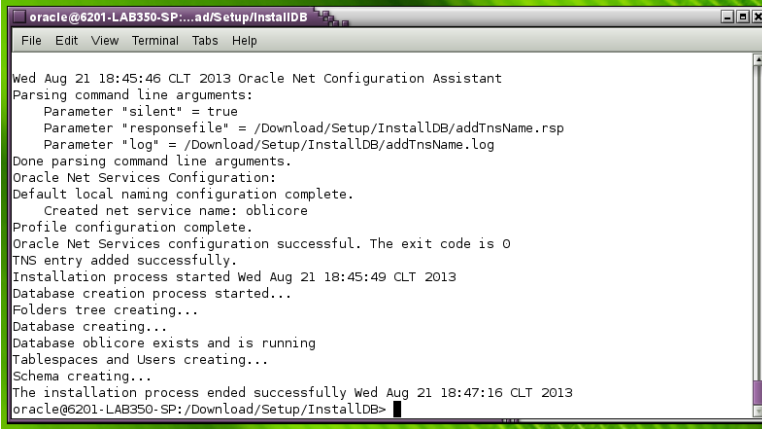


```
oracle@6201-LAB350-SP:~$ cd /Setup/InstallDB
File Edit View Terminal Tabs Help
Adding TNSNAME to tnsname.ora

Wed Aug 21 18:45:46 CLT 2013 Oracle Net Configuration Assistant
Parsing command line arguments:
  Parameter "silent" = true
  Parameter "responsefile" = /Download/Setup/InstallDB/addTnsName.rsp
  Parameter "log" = /Download/Setup/InstallDB/addTnsName.log
Done parsing command line arguments.
Oracle Net Services Configuration:
Default local naming configuration complete.
Created net service name: oblicore
Profile configuration complete.
Oracle Net Services configuration successful. The exit code is 0
TNS entry added successfully.
Installation process started Wed Aug 21 18:45:49 CLT 2013
Database creation process started...
Folders tree creating...
Database creating...
Database oblicore exists and is running
Tablespaces and Users creating...
Schema creating...
```

Here you have to be very patient until it finishes creating the database under the Oracle because this will take more than 10 min, it will depend on the server and its resources.

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A screenshot of a terminal window titled 'oracle@6201-LAB350-SP:...ad/Setup/InstallDB'. The window shows the output of the Oracle Net Configuration Assistant. The text in the terminal is as follows:

```
Wed Aug 21 18:45:46 CLT 2013 Oracle Net Configuration Assistant
Parsing command line arguments:
  Parameter "silent" = true
  Parameter "responsefile" = /Download/Setup/InstallDB/addTnsName.rsp
  Parameter "log" = /Download/Setup/InstallDB/addTnsName.log
Done parsing command line arguments.
Oracle Net Services Configuration:
Default local naming configuration complete.
  Created net service name: oblicore
Profile configuration complete.
Oracle Net Services configuration successful. The exit code is 0
TNS entry added successfully.
Installation process started Wed Aug 21 18:45:49 CLT 2013
Database creation process started...
Folders tree creating...
Database creating...
Database oblicore exists and is running
Tablespaces and Users creating...
Schema creating...
The installation process ended successfully Wed Aug 21 18:47:16 CLT 2013
oracle@6201-LAB350-SP: /Download/Setup/InstallDB>
```

Once finish correctly this screen will appear telling you the status of the creation.

In case you want to look the log in the creation of the Database, you can see this information under:

/Software/Setup/InstallDB/Log

Files:

- ➔ ***Build_schema.log***
- ➔ ***Build_TBS_Users.log***