

??

???????????? production ? Oracle DB??? DB ????? Patchset??????????

1. ????? DB???????????? DB ????????? Oracle ????????? patchset
2. ????? DB???????????? patchset ? DB ?????

???

- ?? Linux ?????????? ORACLE\_HOME?? ORACLE\_BASE ?????????? Central Inventory ??????????????????
- ? /opt/oracle/oraInventory
- ? /etc/oraInst.loc

**?? OracleHome**

???????????? patchset ????? DB ????????????????? \$ORACLE\_HOME ??? tar ???

```
echo $ORACLE_HOME
/opt/oracle/product/10.2.0/db_1
```

```
cd /opt/oracle/product/
tar czf Oracle_Home_102054_Clone.tar 10.2.0/
```

**???????????? Database**

???????????? DB ? Linux ????????? OracleHome ??? Oracle\_Home\_102054\_Clone.tar ???????

????

1. ?????????????
2. ?? /etc/hosts
3. ?? kernel ?? /etc/sysctl.conf
4. ?? /etc/security/limits.conf
5. ?? /etc/pam.d/login
6. ?? firewall, SELinux
7. ?? oracle ????? dba
8. ?? profile ????????? SID

????

?????

```
ORACLE_BASE=/opt/oracle; export ORACLE_BASE
ORACLE_HOME=$ORACLE_BASE/product/10.2.0.5.4/db_1; export ORACLE_HOME
ORACLE_SID=win; export ORACLE_SID
```

????

? root ??

```
mkdir -p /opt/oracle/product/10.2.0.5.4/db_1
```

```
chown -R oracle:dba /opt/oracle
vi /etc/oraInst.loc
```

```
inventory_loc=/opt/oracle/oraInventory
inst_group=dba
```

TIP:

```
?????? oraInst.loc???????? oraInventory ??????"
```

? oracle ??

```
su - oracle
cd /opt/oracle/product
mkdir clone_oracle/
cd clone_oracle/
tar xf /mnt/nas_na/along/Oracle_Home_102054_Clone.tar
mv 10.2.0/* ../10.2.0.5.4/db_1/
```

```
cd $ORACLE_HOME/network/admin/
rm *.ora
cd $ORACLE_HOME/dbs
rm -rf *
```

```
cd $ORACLE_HOME/oui/bin/
./runInstaller -silent -clone ORACLE_HOME=$ORACLE_HOME ORACLE_HOME_NAME=ora_102054
```

Setup in progress (Thursday, March 20, 2014 5:28:40 PM CST)  
Setup successful

End of install phases.(Thursday, March 20, 2014 5:28:44 PM CST)

WARNING:

The following configuration scripts need to be executed as the "root" user.

```
#!/bin/sh
```

```
#Root script to run
```

```
/opt/oracle/product/10.2.0.5.4/db_1/root.sh
```

To execute the configuration scripts:

1. Open a terminal window
2. Log in as "root"
3. Run the scripts

The cloning of ora\_102054 was successful.

Please check '/opt/oracle/oraInventory/logs/cloneActions2014-03-20\_05-27-04PM.log' for more details.

TIP:

```
???? oraInventory ?????????? /etc/oraInst.loc ??
```

```
su -
/opt/oracle2/product/10.2.0.5.4/db_1/root.sh
```

```
?????
?????
```

1. ?? SQL
2. ?? dbca

```
????????? DB ? patch
```

```
? DB ??????
```

```
ORACLE_BASE=/opt/oracle; export ORACLE_BASE
ORACLE_HOME=$ORACLE_BASE/product/10.2.0/db_1
```

```
?? Oracle ???
? oracle ??
```

```
su - oracle
cd /opt/oracle/product
mkdir -p 10.2.0.5.4/db_1
mkdir clone_oracle/
cd clone_oracle/
tar xf /mnt/nas_na/along/Oracle_Home_102054_Clone.tar
mv 10.2.0/* ../10.2.0.5.4/db_1/
```

```
export ORACLE_HOME=/opt/oracle/product/10.2.0.5.4/db_1
cd $ORACLE_HOME/network/admin/
rm *.ora
cd $ORACLE_HOME/dbs
rm -rf *
```

```
cd $ORACLE_HOME/oui/bin/
./runInstaller -silent -clone ORACLE_HOME=$ORACLE_HOME ORACLE_HOME_NAME=ora_102054
```

```
...
```

```
Setup in progress (Friday, March 21, 2014 9:22:17 AM CST)
Setup successful
```

```
End of install phases.(Friday, March 21, 2014 9:22:22 AM CST)
```

```
WARNING:
```

```
The following configuration scripts need to be executed as the "root" user.
```

```
#!/bin/sh
```

#Root script to run  
/opt/oracle/product/10.2.0.5.4/db\_1/root.sh

To execute the configuration scripts:

1. Open a terminal window
2. Log in as "root"
3. Run the scripts

The cloning of ora\_102054 was successful.

Please check '/opt/oracle/oraInventory/logs/cloneActions2014-03-21\_09-20-37AM.log' for more details.

? root ??

/opt/oracle/product/10.2.0.5.4/db\_1/root.sh

Running Oracle 10g root.sh script...

The following environment variables are set as:

ORACLE\_OWNER= oracle  
ORACLE\_HOME= /opt/oracle/product/10.2.0.5.4/db\_1

Enter the full pathname of the local bin directory: [/usr/local/bin]:

The file "dbhome" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying dbhome to /usr/local/bin ...

The file "oraenv" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying oraenv to /usr/local/bin ...

The file "coraenv" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying coraenv to /usr/local/bin ...

Entries will be added to the /etc/oratab file as needed by  
Database Configuration Assistant when a database is created  
Finished running generic part of root.sh script.

Now product-specific root actions will be performed.

????? DB

???

- ????? SID??????? SID ??????????????

? oracle ??

??? DB ??

```
su - oracle
echo $ORACLE_HOME
/opt/oracle/product/10.2.0/db_1
```

```
lsnrctl stop
ps -ef | grep -i listener
```

```
sqlplus / as sysdba
SQL> shutdown immediate
SQL> exit
```

??? DB ???

```
cp -a .bash_profile bash_profile.bak
vi .bash_profile
```

? ORACLE\_HOME ????

```
...
ORACLE_HOME=$ORACLE_BASE/product/10.2.0.5.4/db_1; export ORACLE_HOME
...
```

```
exit
su - oracle
which sqlplus
/opt/oracle/product/10.2.0.5.4/db_1/bin/sqlplus <== ????????
```

```
cp -a /opt/oracle/product/10.2.0/db_1/dbs/* /opt/oracle/product/10.2.0.5.4/db_1/dbs/
cp -a /opt/oracle/product/10.2.0/db_1/network/admin/* /opt/oracle/product/10.2.0.5.4/db_1/network/
admin/
```

```
sqlplus / as sysdba
```

```
SQL> startup upgrade
SQL> spool pre_upgrade.log
SQL> @?/rdbms/admin/utlu102i.sql
```

Oracle Database 10.2 Upgrade Information Utility 03-21-2014 10:48:36

```
.
*****
```

Database:

```
*****
```

--> name: WIN

--> version: 10.2.0.5.0

--> compatible: 10.2.0.1.0

--> blocksize: 8192

.

Database already upgraded; to rerun upgrade use rdbms/admin/catupgrd.sql.

PL/SQL procedure successfully completed.

```
SQL> spool upgrade.log
```

```
SQL> @?/rdbms/admin/catupgrd.sql
```

```
SQL> spool off
```

```
SQL> shutdown immediate
```

```
SQL> exit
```

Recompile any invalid application objects

```
$> sqlplus / as sysdba
```

```
SQL> startup
```

```
SQL> @?/rdbms/admin/utlrp.sql
```

```
SQL> shutdown immediate
```

```
SQL> exit
```

```
?? /etc/oratab
```

```
? root ??
```

```
win:/opt/oracle/product/10.2.0.5.4/db_1:N
```