

1. Download Oracle 11g

wget ftp://ftpsoft:ftpsoft@202.197.41.101:8292/soft/linux.x64_11gR2_database_1of2.zip

wget ftp://ftpsoft:ftpsoft@202.197.41.101:8292/soft/linux.x64_11gR2_database_2of2.zip

2. Hosts File

Vi /etc/hosts

Add:

127.0.0.1	localhost.localdomain	localhost
202.197.33.72	leilab	leilab

3. Settings

Add or amend the following lines in the "/etc/sysctl.conf" file.

fs.suid_dumpable = 1
fs.aio-max-nr = 1048576
fs.file-max = 6815744
kernel.shmall = 2097152
kernel.shmmax = 536870912
kernel.shmmni = 4096
semaphores: semmsl, semmns, semopm, semmni
kernel.sem = 250 32000 100 128
net.ipv4.ip_local_port_range = 9000 65500
net.core.rmem_default=262144
net.core.rmem_max=4194304
net.core.wmem_default=262144
net.core.wmem_max=1048586

Run the following command to change the current kernel parameters.

/sbin/sysctl -p

vi /etc/security/limits.conf

add:

oracle	soft	nproc	2047
oracle	hard	nproc	16384
oracle	soft	nofile	1024
oracle	hard	nofile	65536

vi /etc/pam.d/login

add:

session	required	pam_limits.so
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vi /etc/profile

add:

```
if [ $USER = "oracle" ]; then
  if [ $SHELL = "/bin/ksh" ]; then
    ulimit -p 16384
    ulimit -n 65536
  else
    ulimit -u 16384 -n 65536
  fi
fi
```

4. Packages

```
yum install binutils compat-libstdc++-33 elfutils-libelf elfutils-libelf-devel
elfutils-libelf-devel-static gcc gcc-c++ glibc glibc-common glibc-devel
glibc-headers glibc-static kernel-headers pdksh libaio libaio-devel libgcc libgomp
libstdc++ libstdc++-devel libstdc++-static make numactl-devel sysstat unixODBC
unixODBC-devel
```

5. Create the new groups and users

```
groupadd oinstall
groupadd dba
groupadd oper
useradd -g oinstall -G dba,oper oracle
passwd oracle
```

6. Set user environment

```
Login as oracle
su oracle
```

7. Install

```
cd /ifs/oracle/database
unzip linux.x64_11gR2_database_1of2.zip
unzip linux.x64_11gR2_database_2of2.zip
```

Silent settings

```
vi response/db_install.rsp
```

```
oracle.install.option= INSTALL_DB_AND_CONFIG
ORACLE_HOSTNAME=leilab
UNIX_GROUP_NAME=oinstall
INVENTORY_LOCATION=/ifs/oracle/home/oraInventory
oracle.install.db.InstallEdition=EE
SELECTED_LANGUAGES=en,zh_CN
ORACLE_BASE=/ifs/oracle/home
ORACLE_HOME=/ifs/oracle/home/oracle_11g
```

```
oracle.install.db.config.starterdb.SID=ora11g

oracle.install.db.config.starterdb.storageType=FILE_SYSTEM_STORAGE
oracle.install.db.config.starterdb.fileSystemStorage.dataLocation=/ifs/oracle/home/db_file

oracle.install.db.DBA_GROUP=dba
oracle.install.db.OPER_GROUP=dba
DECLINE_SECURITY_UPDATES=true
```

run install:

```
./runInstaller -silent -ignoreSysPrereqs -ignorePrereq -responseFile
/ifs/oracle/database/response/db_install.rsp
```

Change the role to root

```
su
/ifs/oracle/home/oraInventory/orainstRoot.sh
/ifs/oracle/home/oracle_11g/root.sh
```

8. Modify .bash_profile

```
vi ~/.bash_profile
Add:
```

```
ORACLE_BASE=/ifs/oracle/home
ORACLE_HOME=/ifs/oracle/home/oracle_11g
ORACLE_SID=ora11g
PATH=$PATH:$HOME/bin
PATH=$ORACLE_HOME/bin:$PATH
export PATH
export ORACLE_BASE ORACLE_HOME ORACLE_SID
```

```
source ~/.bash_profile
```

9. Start up database

```
lsnrctl start
sqlplus / as sysdba
startup
```

```
lsnrctl status
lsnrctl stop
```

查看服务名:

```
show parameter service;
```

查看实例名:

```
select * from v$instance;
```

查看数据库名:

```
select name from v$database;
```

查看数据库用到几个表空间:

```
select distinct TABLESPACE_NAME from tabs;
```

10. remote access

```
vi /etc/sysconfig/iptables
```

add:

```
-A INPUT -p tcp -m state --state NEW -m tcp --dport 1521 -j ACCEPT
```

```
service iptables restart
```

```
iptables -L -n
```

```
sqlplus / as sysdba
```

```
ALTER USER scott ACCOUNT UNLOCK;
```

```
CONNECT scott/tiger;
```

Linux Oracle 卸载步骤

第一种方法: 使用 oracle 自带的 runInstaller 卸载;

第二种方法: 通过删除文件的方式卸载;(即: 删除 Oracle 安装目录下的所有文件和文件夹)

1. 使用 SQL*PLUS 停止数据库
2. 停止 Listener
3. 用 su 或者重新登录到 root
4. 将 oracle 安装目录删除
5. 将 /usr/bin 下的文件删除(删除这三个文件后, Oracle 就不能使用了)
rm /usr/local/bin/dbhome
rm /usr/local/bin/oraenv
rm /usr/local/bin/coraenv
6. 将 /etc/oratab 删除
7. 将 /etc/orainst.loc 删除
8. 将 oracle 用户删除(若要重新安装,可以不删除)
9. 将用户组删除(若要重新安装,可以不删除)