**hostname oracledb 修改主机名（及时）**

**vim /etc/HOSTNAME 修改主机名**

oracledb

创建oracle用户和组

**groupadd -g 200 oinstall**

**groupadd -g 201 dba**

**useradd -m -u 440 -g oinstall -G dba oracle**

**passwd oracle 可以不设置直接回车**

**vi /etc/hosts**

172.16.210.224 oracledb

**vi /etc/sysctl.conf**

net.ipv4.ip\_local\_port\_range= 9000 65500

fs.file-max = 6815744 kernel.shmall = 10523004 kernel.shmmax = 6465333657 kernel.shmmni = 4096 kernel.sem = 250 32000 100128 net.core.rmem\_default = 262144net.core.wmem\_default = 262144

net.core.rmem\_max = 4194304

net.core.wmem\_max = 1048576

fs.aio-max-nr = 1048576

**sysctl -p 立即生效**

**vi /etc/security/limits.conf**

oracle soft nproc 2047

oracle hard nproc 16384

oracle soft nofile 1024

oracle hard nofile 65536

**vi /etc/pam.d/login**

**session required pam\_limits.so**

**mkdir -p /opt/app/oracle/**

**chmod 755 /opt/app/oracle/**

**chown oracle.oinstall -R /opt/app/oracle/**

**suselinux依赖包**

zypper install gcc-32bit

zypper install gcc-c++

zypper install libaio-devel

zypper install libaio-devel-32bit

zypper install libstdc++43-devel-32bit

zypper install libstdc++-devel-4.3

zypper install sysstat-8.1.5

**centos 依赖包**

yum install binutils compat-libstdc++-33 elfutils elfutils-libelf-devel gcc

gcc-c++ glibc glibc-common glibc-devel glibc-headers libaio libaio-devel libgcc

libstdc++ libstdc++-devel make sysstat unixODBC unixODBC-devel

**安装oracle 需要至少 4GB 的swap 交换空间，而作者的环境只有2GB，所以需要增加swap 大小  
在/tmp 目录下创建一个 swap 目录，使用dd 命令生成一个3GB 的文件**

**mkdir /tmp/swap**

**cd /tmp/swap**

**dd if=/dev/zero of=swapfree bs=1M count=3072**

**mkswap swapfree**

**swapon swapfree**

**su - oracle**

**定义环境变量（若安装完sqlplus命令无法找到看这个文件）**

**这个文件若不存在自己创建即可**

**vi ~/.bash\_profile**

export ORACLE\_BASE=/opt/app/oracle

export ORACLE\_HOME=$ORACLE\_BASE/product/11.2.0/db\_1

export PATH=$PATH:$ORACLE\_HOME/bin

export ORACLE\_SID=ora11g

export NLS\_LANG=AMERICAN\_AMERICA.AL32UTF8

export LD\_LIBRARY\_PATH=$ORACLE\_HOME/lib:/usr/lib:/usr/lib64

stty erase ^h oracle不能退格，定义这个可以解决该问题

**source ~/.bash\_profile 立即生效**

**cd /opt**

**<https://www.oracle.com/technetwork/cn/database/enterprise-edition/downloads/index.html>**

压缩包下载地址（官网需要注册）

**unzip linux.x64\_11gR2\_database\_1of2.zip**

**unzip linux.x64\_11gR2\_database\_2of2.zip**

**chown oracle.oinstall -R /opt/database/ 解压两个zip可以获得一个database目录**

**su oracle**

**cp -r /opt/database/response /opt/database/response.bak**

**vim /opt/database/response/db\_install.rsp**

oracle.install.responseFileVersion=/oracle/install/rspfmt\_dbinstall\_response\_schema\_v11\_2\_0

oracle.install.option=INSTALL\_DB\_SWONLY ORACLE\_HOSTNAME=pcs6.ambari

UNIX\_GROUP\_NAME=oinstall

INVENTORY\_LOCATION=/opt/app/oracle/oraInventory

SELECTED\_LANGUAGES=en,zh\_CN

ORACLE\_HOME=/opt/app/oracle/product/11.2.0/db\_1

ORACLE\_BASE=/opt/app/oracle

oracle.install.db.InstallEdition=EE

oracle.install.db.isCustomInstall=false oracle.install.db.customComponents=oracle.server:11.2.0.1.0,oracle.sysman.ccr:10.2.7.0.0,oracle.xdk:11.2.0.1.0,oracle.rdbms.oci:11.2.0.1.0,oracle.network:11.2.0.1.0,oracle.network.listener:11.2.0.1.0,oracle.rdbms:11.2.0.1.0,oracle.options:11.2.0.1.0,oracle.rdbms.partitioning:11.2.0.1.0,oracle.oraolap:11.2.0.1.0,oracle.rdbms.dm:11.2.0.1.0,oracle.rdbms.dv:11.2.0.1.0,orcle.rdbms.lbac:11.2.0.1.0,oracle.rdbms.rat:11.2.0.1.0

oracle.install.db.DBA\_GROUP=dba

oracle.install.db.OPER\_GROUP=oinstall

oracle.install.db.CLUSTER\_NODES=

oracle.install.db.config.starterdb.type=GENERAL\_PURPOSE oracle.install.db.config.starterdb.globalDBName=ora11g

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

oracle.install.db.config.starterdb.characterSet=AL32UTF8

oracle.install.db.config.starterdb.memoryOption=true

oracle.install.db.config.starterdb.memoryLimit=1500 oracle.install.db.config.starterdb.installExampleSchemas=false oracle.install.db.config.starterdb.enableSecuritySettings=true oracle.install.db.config.starterdb.password.ALL=oracle

oracle.install.db.config.starterdb.password.SYS=

oracle.install.db.config.starterdb.password.SYSTEM=

oracle.install.db.config.starterdb.password.SYSMAN=

oracle.install.db.config.starterdb.password.DBSNMP=

oracle.install.db.config.starterdb.control=DB\_CONTROL oracle.install.db.config.starterdb.gridcontrol.gridControlServiceURL= oracle.install.db.config.starterdb.dbcontrol.enableEmailNotification=false

oracle.install.db.config.starterdb.dbcontrol.emailAddress= oracle.install.db.config.starterdb.dbcontrol.SMTPServer= oracle.install.db.config.starterdb.automatedBackup.enable=false oracle.install.db.config.starterdb.automatedBackup.osuid= oracle.install.db.config.starterdb.automatedBackup.ospwd= oracle.install.db.config.starterdb.storageType=FILE\_SYSTEM\_STORAGE oracle.install.db.config.starterdb.fileSystemStorage.dataLocation= oracle.install.db.config.starterdb.fileSystemStorage.recoveryLocation=

oracle.install.db.config.asm.diskGroup=

oracle.install.db.config.asm.ASMSNMPPassword=

MYORACLESUPPORT\_USERNAME=

MYORACLESUPPORT\_PASSWORD=

SECURITY\_UPDATES\_VIA\_MYORACLESUPPORT=

DECLINE\_SECURITY\_UPDATES=true

PROXY\_HOST=

PROXY\_PORT=

PROXY\_USER=

PROXY\_PWD=

<https://blog.csdn.net/java3344520/article/details/8063785>

此链接可看上述配置文件的含义

**vim /opt/database/response/dbca.rsp**

GDBNAME = “ora11g” 78 行 全局数据库的名字=SID

SID=”ora11g” 149行 SID

CHARACTERSET=”AL32UTF8” //415行 编码 修改并去掉注释

NATIONALCHARACTERSET=”UTF8” //425行 编码 修改并去掉注释

**/opt/database/runInstaller -silent -force -ignorePrereq -responseFile /opt/database/response/db\_install.rsp** 这是一行

**$ORACLE\_HOME/bin/netca /silent /responseFile /opt/database/response/netca.rsp**

**$ORACLE\_HOME/bin/dbca -silent -responseFile /opt/database/response/dbca.rsp   
-sysPassword oracle -systemPassword oracle**

**<https://blog.csdn.net/ukakasu/article/details/80759767>**

**原文链接**