

# Centos에서 oracle 12c 설치하기

## 1. 패키지 설치하기

```
$> yum install binutils compat-libcap1 compat-libstdc++-33 compat-libstdc++-33.i686 gcc gcc-c++ glibc glibc.i686 glibc-devel glibc-devel.i686 ksh libgcc -y
$> yum install libgcc.i686 libstdc++ libstdc++.i686 libstdc++-devel libstdc++-devel.i686 libaio libaio.i686 libaio-devel libaio-devel.i686 libXext libXext.i686 -y
$> yum install libXtst libXtst.i686 libX11 libX11.i686 libXau libXau.i686 libxcb libxcb.i686 libXi libXi.i686 unixODBC unixODBC-devel -y
```

## 2. 커널파라미터 수정

```
$> echo "fs.file-max = 6815744
kernel.sem = 250 32000 100 128
kernel.shmmni = 4096
kernel.shmall = 1073741824
kernel.shmmax = 4398046511104
net.core.rmem_default = 262144
net.core.rmem_max = 4194304
net.core.wmem_default = 262144
net.core.wmem_max = 1048576
fs.aio-max-nr = 1048576
net.ipv4.ip_local_port_range = 9000 65500" >> /etc/sysctl.conf
$> sysctl -p
```

## 3. 계정정보 설정

```
$> echo "oracle soft nfile 1024
oracle hard nfile 65536
oracle soft nproc 16384
oracle hard nproc 16384
oracle soft stack 10240
oracle hard stack 32768" >> /etc/security/limits.conf

$> groupadd -g 54321 oinstall
$> groupadd -g 54322 dba
$> groupadd -g 54323 oper
$> useradd -u 54321 -g oinstall -G dba,oper oracle
$> passwd oracle
{{ 패스워드 입력 2회 }}
$> mkdir -p /usr/local/oracle/product/12.1.0/db_1
$> mkdir /usr/local/orainventory
$> chown -R oracle:oinstall /usr/local/oracle
$> chown oracle.oinstall /usr/local/orainventory
$> chmod -R 775 /usr/local/oracle
```

## 4. 시스템 변수 설정

```
$> echo "
# Oracle Settings
export TMP=/tmp
export TMPDIR=$TMP
export ORACLE_HOSTNAME=orcl.localdomain
export ORACLE_UNQNAME=orcl
export ORACLE_BASE=/usr/local/oracle
export ORACLE_HOME=$ORACLE_BASE/product/12.1.0/db_1
export ORACLE_SID=orcl
export PATH=/usr/sbin:$PATH
export PATH=$ORACLE_HOME/bin:$PATH
export LD_LIBRARY_PATH=$ORACLE_HOME/lib:/lib:/usr/lib
export CLASSPATH=$ORACLE_HOME/jlib:$ORACLE_HOME/rdbms/jlib" >> /home/oracle/.bash_profile
```

## 5. 시스템 구동 후 DB실행

```
$> echo "  
source /etc/profile  
su - oracle -c \"\$ORACLE_HOME/bin/lsnrctl start\"  
su - oracle -c \"\$ORACLE_HOME/bin/dbstart\"  
\" >> /etc/rc.d/rc.local
```

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