

Oracle 11g Installation

Diese Anleitung wurde für CentOS 5 geschrieben und getestet. Sie sollte aber auf andere Systeme übertragbar sein.

- Anforderungen: mind. 1GB MEM, Swap mind. 1,5*MEM, mind. 4GB HDD rein für die Grundinstallation, kein DHCP.
- System für die Installation vorbereiten (als root ausführen)

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

```
yum -y install gcc binutils make libaio compat-libstdc++-296 compat-libstdc++-33 libaio-devel sysstat  
unixODBC unixODBC-devel
```

```
groupadd -g 1000 oracle  
groupadd -g 1001 oinstall  
groupadd -g 1002 dba  
useradd -u 1000 -p oracle -g oinstall -G dba oracle
```

```
mkdir /oracle  
mkdir /oracle/11g  
chown -R oracle.oinstall /oracle  
mkdir /osource
```

```
cat >> /etc/sysctl.conf << EOF
```

```
#Added for Oracle Installation  
kernel.shmall = 2097152  
kernel.shmmax = 2147483648  
kernel.shmmni = 4096  
kernel.sem = 250 32000 100 128  
fs.file-max = 65536  
net.ipv4.ip_local_port_range = 1024 65000  
net.core.rmem_default = 4194304  
net.core.wmem_default = 262144  
net.core.rmem_max = 4194304  
net.core.wmem_max = 262144  
EOF  
/sbin/sysctl -p
```

```
cat >> /home/oracle/.bash_profile << EOF
```

```
#Added for Oracle Installation
```

```
umask 022
```

```
ORACLE_BASE=/oracle
```

```
ORACLE_HOME=/oracle/11g
```

```
ORACLE_SID=orcl
```

```
export ORACLE_BASE ORACLE_HOME ORACLE_SID
```

```
PATH=/oracle/11g/bin:$PATH:.
```

```
LD_LIBRARY_PATH=$ORACLE_HOME/jdk/jre/lib/i386:$ORACLE_HOME/jdk/jre/lib/i386/server:$ORACLE_HOME/rdbms/lib:$ORACLE_HOME/lib:$LD_LIBRARY_PATH
```

```
export PATH LD_LIBRARY_PATH
```

```
# koennte Probleme machen
```

```
export NLS_LANG=american;
```

```
export NLS_DATE_FORMAT='DD.MM.YYYY HH24:MI:SS';
```

```
EOF
```

```
passwd oracle
```

```
Oracle Init-Script (Datenbank vorher in /etc/oratab aktivieren)
```

```
#!/bin/bash
```

```
# chkconfig: 345 99 10
```

```
# description: Startup Script for Oracle Databases
```

```
# /etc/init.d/oracle
```

```
export ORACLE_HOME=/oracle/11g
```

```
export PATH=$PATH:$ORACLE_HOME/bin
```

```
case "$1" in
```

```
start)
```

```
    su - oracle -c "$ORACLE_HOME/bin/dbstart $ORACLE_HOME"
```

```
    touch /var/lock/oracle
```

```
    echo "OK"
```

```
;;
```

```
stop)
```

```
    echo -n "Shutdown Oracle: "
```

```
    su - oracle -c "$ORACLE_HOME/bin/dbshut $ORACLE_HOME"
```

```
    rm -f /var/lock/oracle
```

```
    echo "OK"
```

```
;;
```

```
*)  
echo "Usage: 'basename $0' start|stop"  
exit 1  
esac  
  
exit 0
```

wichtige URLs nach der Installation:

iSQL*Plus URL:

`http://<domain.tld>:5560/isqlplus`

iSQL*Plus DBA URL:

`http://<domain.tld>:5560/isqlplus/dba`

Enterprise Manager 11g Database Control URL:

`http://<domain.tld>:1158/em`

Database Control URL:

`http://<domain.tld>:5500/em`

Jetzt sollte man die Installation noch absichern (in der mount-Phase):

- Archivelog einschalten (`alter database archivelog;`)
- Flashback einschalten (`alter database flashback on;`)
- Flashback Zeitraum einstellen (`alter system set db_flashback_retention_target = 4320;`)
- Flashback Filegröße einstellen (`alter system set db_recovery_file_dest_size=20G;`)
- Redologs in verschiedene Verzeichnisse spiegeln
- Controlfiles an verschiedene Orte legen
- RMAN-Backup einrichten

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