

My Oracle Blog

Focusing on Oracle Database, RAC, Data Guard, Exadata, Linux ...

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Linux: Useful Scripts & Commands

Whenever I need some commands or scripts, I had to search to find out where it is. I always forgot to organize my required script and now trying to put everything here so at least I will know where to look into.

These are mostly simple stuff, just putting here for reference.

Articles:

- [Red Hat Enterprise Linux Compared With Microsoft Windows](#)
- [Why Choose Oracle Linux over Red Hat Linux?](#)

Note: Looks like Oracle Linux is better than Redhat & Windows ... So, it's the best in x86_64 world.

Run OS commands in loop

```
# while true; do free -m; sleep 2; done;
# while true; do ls -ltr | wc -l; du -sk .; echo '-----'; sleep 5; done;
```

Working with user lockdown

```
(root)# chage -l oracle
(root)# pam_tally2
(root)# pam_tally2 -u oracle -r
```

Convert SSL Certificates

Reference URL: [DER vs. CRT vs. CER vs. PEM Certificates and How To Convert Them](#)

Root-CA.crt: Root certificate.

Sub-CA.crt: Intermediate certificate

hostname.cer: User certificate

```
# openssl x509 -in Root-CA.crt -inform der -outform pem -out root.txt
# openssl x509 -in Sub-CA.crt -inform der -outform pem -out intermediate.txt
# openssl x509 -in hostname.cer -outform der -out user.der
# openssl x509 -in user.der -inform der -outform pem -out user.txt
```

tune2fs - adjust tunable filesystem parameters on ext2/ext3/ext4 filesystems

-i "interval-between-checks[d|m|w]": Adjust the maximal time between two filesystem checks.

```
(root)# tune2fs -i 0 /dev/VGExaDb/LVDbSys1
(root)# tune2fs -i 0 /dev/VGExaDb/LVDbOral
```

-c max-mount-counts: Adjust the number of mounts after which the filesystem will be checked by e2fsck.

```
(root)# tune2fs -c -1 /dev/mapper/VGExaDb-LVDbOral
(root)# tune2fs -c -1 /dev/mapper/VGExaDb-LVDbSys1
```

find command: example

```
# find /dbfs/dbfs_fs/ -name '.fuse_hidden*' -type f -print | wc -l
# find /dbfs/dbfs_fs/ -name '.fuse_hidden*' -type f -print
# find /dbfs/dbfs_fs/ -name '.fuse_hidden*' -type f -delete
```

```
# find /u02/WORLD/conntrace.1/ -name '*.trc' -type f -print | wc -l
# find /u02/WORLD/conntrace.1/ -name '*.trc' -type f -delete
```

Oracle Server: Change iLOM Settings (IP, NTP, DNS)

Change NTP

```
(root)# ipmitool sunoem cli "show /SP/clients/ntp/server/1"
(root)# ipmitool sunoem cli "show /SP/clients/ntp/server/2"
(root)# ipmitool sunoem cli "set /SP/clients/ntp/server/1 address=10.10.74.1"
(root)# ipmitool sunoem cli "set /SP/clients/ntp/server/2 address=10.10.74.2"
(root)# ipmitool sunoem cli "show /SP/clients/ntp/server/1"
(root)# ipmitool sunoem cli "show /SP/clients/ntp/server/2"
```

Change DNS

```
(root)# ipmitool sunoem cli "show /SP/clients/dns"
(root)# ipmitool sunoem cli "set /SP/clients/dns auto_dns=enabled"
(root)# ipmitool sunoem cli "set /SP/clients/dns nameserver=none"
(root)# ipmitool sunoem cli "set /SP/clients/dns retries=1"
(root)# ipmitool sunoem cli "set /SP/clients/dns searchpath=example.com"
(root)# ipmitool sunoem cli "set /SP/clients/dns timeout=5"
(root)# ipmitool sunoem cli "show /SP/clients/dns"
```

Change Hostname

```
(root)# ipmitool sunoem cli "show /SP hostname"
(root)# ipmitool sunoem cli "set /SP hostname=*****"
```

```
(root)# ipmitool sunoem cli "show /SP hostname"
```

-- Change System Identifier

```
(root)# ipmitool sunoem cli "show /SP system_identifier"
(root)# ipmitool sunoem cli "set /SP system_identifier=*****"
(root)# ipmitool sunoem cli "show /SP system_identifier"
```

-- Change iLOM IP address

```
(root)# ipmitool sunoem cli "show /SP/network"
(root)# ipmitool sunoem cli "set /SP/network pendingipaddress=10.10.74.203 pendingipgateway=10.10.74.251 pendingipnetmask=255.255.254.0 commitpending=true"
(root)# ipmitool sunoem cli "show /SP/network"
```

Note: Verify that ILOM is accessible. The ILOM network changes should be immediate (once commitpending=true is sent through).

-- Exadata: ExaWatcher Report Collection

```
(root)# cd /opt/oracle.ExaWatcher
(root)# ./GetExaWatcherResults.sh --from 06/26/2015_13:00:00 --to 06/26/2015_15:00:00
(root)# ./GetExaWatcherResults.sh --from 09/22/2015_03:00:00 --to 09/22/2015_07:00:00
Output Directory: /opt/oracle.ExaWatcher/archive/ExtractedResults
```

-- .bash_profile

```
umask 022

ulimit -c unlimited

PS1='\u@\h($ORACLE_SID):`pwd`# '; export PS1;
alias sql+="sqlplus '/ as sysdba'"
alias sql+="sqlplus '/ as sysasm'"
```

-- Exadata/Linux: Create new File System

```
-- Check for free space left on the logical group using the "lvm vgdisplay -s" on VG Name "VGExaDb"
# lvm vgdisplay -s VGExaDb

-- Create a LVM to hold "/backup" using
# lvcreate -L 250G -n /dev/VGExaDb/LVBackup

-- Create a new file system on the new partition
# mkfs.ext(3/4) /dev/VGExaDb/LVBackup

-- Then Create a target directory on which to mount the new file system, mount it and check it using df
# e2label /dev/VGExaDb/LVBackup DBORA_2
# mkdir -p /backup
# mount /dev/VGExaDb/LVBackup /backup
Note: Add the new /backup filesystem to the /etc/fstab to make sure that it gets mounted at boot

-- Final Checks
# lvm vgdisplay VGExaDb -s
# lvm lvscan
```



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