**Useful Commands during server patching**

* **Pre-Patching**

Below Commands can be run at once to take prior configuration backup of important files:

mkdir -p /tmp/patching`date +%y%m%d`

cd /tmp/patching`date +%y%m%d`

df -Ph >df.bkp

uptime | tee uptime\_before

cat /etc/fstab >fstab.bkp

pvs >pvs.bkp

vgs >vgs.bkp

lvs >lvs.bkp

uname -r  | tee kernel.bkp

cat /etc/grub.conf >grub.bkp

cat /proc/cpuinfo >cpu.bkp

cat /proc/meminfo >mem.bkp

ifconfig -a >ifconfig.bkp

cat /proc/mdstat >mdstat.bkp

netstat -nr >routingtable\_before

ls -lhR /boot >bootdir.bkp

fdisk -l >fdisk.bkp

ps -ef >ps\_bkp

chkconfig --list >chkconfig.bkp

service --status-all >services\_bkp

top -b1 -n1 >top\_bkp

dmidecode -t system | more

multipath -ll >multipath.bkp

powermt display dev=all >powermt.bkp

cat /etc/grub.conf >grub.pre

ls -lhtr

echo "configuration backup done"

cat /etc/info.server

* **Patching**

yum list   (see available package)

yum update   (ask for Y or N to update packages)

yum update -y (will directly patch the available packages)

yum update -x kernel (exclude kernel update)

* **Post-Patching**

cat /etc/fstab >fstab.bkp.post

top -b1 -n1 >top\_bkp.post

uname -a

yum check-update  
mount -a

/etc/init.d/PowerPath status

**Rollback**

**RollBack Configuration for RHEL 5**

edit /etc/rpm/macros

vi /etc/rpm/macros  
and add the following line  
%\_repackage\_all\_erasures 1

edit /etc/yum.conf  
vi /etc/yum.conf  
and add the following line  
tsflags=repackage

Enable monthly cleanup of old packages, otherwise use too much space  
vi /etc/cron.daily/tmpwatch  
and add the following line  
/usr/sbin/tmpwatch "$flags" 720 /var/spool/repackage

**RollBack Configuration for RHEL 6**  
It’s built-in.

**Perform RollBack for RHEL 5**  
ROLL back RPM:

If OS updated with in one hour period, use the following command  
rpm -Uvh --rollback '1 hour ago'

if yesterday   
rpm -Uvh --rollback '1 day ago'

if OS updated on a week ago,  
rpm -Uvh --rollback '1 week ago'

if OS updated on a month ago,  
rpm -Uvh --rollback '1 month ago'

if OS update on Mar 20th,  
rpm -Uvh --rollback 'March 20'

**Perform RollBack for RHEL 6**  
Check update history  
yum history  
Output  
Loaded plugins: fastestmirror, refresh-packagekit  
ID     | Login user             | Date and time    | Action(s)      | Altered  
-------------------------------------------------------------------------------  
47 | root <root>            | 2012-05-27 09:03 | Install        |    4     
46 | root <root>            | 2012-05-27 09:02 | Install        |    2     
…

Check info of a particular update  
yum history info 46

To rollback to before update ID 47  
yum history rollback 46

Undo an update  
yum history undo 46

To repeat an update  
yum history repeat 46