network

1.ifconfig -a   ifconfig   iwconfig   iwlist (inter_name) scan/scanning

2.rfkill list   rfkill block/unblock *index*   ifconfig inter_name up/down   ifup inter_name   ifdown inter_name

3.dhclient inter_name   ifconfig inter_name parameters   iwconfig inter_name parameters

4./etc/init.d/networking   /etc/network/interfaces

5.hostname   /etc/hosts

6./etc/resolv.conf   nslookup domain   nslookup -qf=ns xx.xx   dig domain   host domain

7.route -n   arp -n

8.ping -c N ip   traceroute -n ip

9. sctp_darn -H <local_IP> -P <local_port> -l   sctp_darn -H <local_IP> -P <local_port> -h <remote_IP> -p <remote_port> -s   sctp_test -H <local_IP> -P <local_port> -h <remote_IP> -p <remote_port> -s   sctp_test -H <local_IP> -P <local_port> -l

10. *interface*: /etc/sysconfig/network/ifcfg-ethx, BOOTPROTO:static/dhcp   *route*: /etc/sysconfig/network/routes   *DNS*: /etc/resolv.conf

DHCP: /var/lib/dhcp/dhclient*-ethx.lease

11. dhcpd: /var/lib/dhcp/dhclient.leases   /etc/dhcpd.conf   option routers 192.168.4.1, option domain-name-server 10.185.56.40, option ntp-server 150.236.57.81, subnet 192.168.0.0 netmask 255.255.0.0 {}, host bjg2enb01 {}

disk/partition

1.fdisk -l   fdisk disk   partprobe   mkfs -t ext3

2.mount -l   df   mount   umount

3.mdadm --create /dev/mdx --auto=yes --level=0/1/5 --raid-devices=m --spare-devices=n devices(m+n)

mdadm --detail /dev/mdx

mdadm --manage /dev/mdx --add device --remove device

mdadm --stop /dev/mdx

mdadm --assemble /dev/mdx

rm /dev/mdx

4.lvm

①partition - pv(physical volume) - vg(volume group)/pe(physical extend) - lv(logic volume)

②pvcreate partition　pvremove partition　pvscan　pvdisplay

③vgcreate -s 16m vg_name pv_names　vgremove vg_name　vgextend vg_name pv_name　vgreduce vg_name pv_name　vgscan　vgdisplay

④lvcreate -l number_pe -n lv_name vg_name　lvremove /dev/vg_name/lv_name

lvresize -l +/-number_pe /dev/vg_name/lv_name

lvextend -l +number_pe /dev/vg_name/lv_name

lvreduce -l -number_pe /dev/vg_name/lv_name

resize2fs /dev/vg_name/lv_name

lvscan　lvdisplay

tarball

1.tar -zcvf　tar -zxvf　2../configure(--help) ---Makefile　3.make clean　4.make

5.make check　6.make install　/usr/local/

runlevel&terminal

1.who　who am i　tty　chvt n = (ctrl-)alt+Fn　ctrl+alt+backspace

2.runlevel　init x(0 3 5 6)　/etc/inittab

3.startx -- :n　init 5

4.shutdown -P now　reboot　halt　poweroff　sync　exit/quit

process

1.ps aux　ps -l　top　pstree -Aup　ps -ef　pstree -H <PID>

2.pidof command_name　kill -9 pid　killall -9 command_name

3. ps -A -o stat,ppid,pid,cmd | grep -e 'bjenb03' | awk '{print $3}' | xargs kill -9　kill -HUP xxx

service

1./etc/init.d/script start/restart/stop/status　service service_name start/restart/stop/status　service --status-all　systemctl start/restart/stop/status

service_name   systemctl list-units --type=service

2. netstat -tulnp   cat /etc/services

local address -- 0.0.0.0/*:listen all interface | 127.0.0.1/*:only listen lo interface

3.chkconfig --list   chkconfig service_name on/off   update-rc.d service_name

defaults   update-rc.d service_name remove   systemctl enable service_name

systemctl disable service_name

file&directory

1.chgrp   chown   chmod -R 755   umask   umask 022 (file:666 dir:777)

2./etc/selinux/config   setenforce   getenforce

3.service iptables   service ufw

4.cd   ls -al   mkdir   rmdir   touch   ln   cp   mv   rm -r or \rm -r

5.pwd -p   basename   dirname   history

6.cat   file   vim   more   less   od

7.which command   whereis command   type command   updatedb   locate file

8.find /local_stg/lterbsFtp_up/up -noleaf -maxdepth 1 -mtime +90 -type d -name

"CXP102051*" | xargs rm -rf

9.man info   iconv -l   iconv -f gbk -t utf8 xx > yy

10.df -h   du -sh ./*   du -sh ./

11. scp -p <port> -r /xx/xx/ ejqizng@ip:/xx/xx   rsync -arv --delete /xx/xx /yy/yy/

rsync -arv --delete /xx/xx/ /yy/yy/

12. tftp -g/-p -r/-l file host

user

1.su -   sudo   sudo passwd root

2.groupadd xx   useradd -G/-g xx xx   usermod -A/-R/-G/-g xx -u xx -l xx -d xx xx

passwd xx   id xx   groupmod -g xx -n xx xx   userdel xx   groupdel xx   chown

chgrp

3.grep xx /etc/passwd   grep xx /etc/group   /etc/sudoers

system

1.uname -r   uname -a   hostname   uptime   free   dmesg   vmstat   lspci   lsusb

2./lib/modules/$(uname -r)/modules.dep   /lib/modules/$(uname -r)/kernel/xx.ko

depmod   lsmod   modinfo mod_name   modprobe mod_name   modprobe -r mod_name

3.watch ntpq –p

4. more /proc/cpuinfo | grep processor | wc –l

5. [1,2,&] >/>> &[n],file,&-,/dev/null   0 < &[n],file

6. free -m/-g <total = code/data + buffers + cached + free>   top <"1","b","x","shift+</>">   echo $0   echo $$

7. @reboot - Run once, at startup; @yearly/@annually - Run once a year, "0 0 1 1 *"; @monthly - Run once a month, "0 0 1 * *"; @weekly - Run once a week, "0 0 * * 0"; @daily/@midnight - Run once a day, "0 0 * * *"; @hourly - Run once an hour, "0 * * * *"

daemon

1.generally the shell will send *HUP* signal to *all child process* when shell logout/exit

2.crtl+z   jobs   fg %<job_num>   bg %<job_num>   kill -9 %<job_num>   /xx/xx &

3.nohup /xx/xx &   disown -h %<job_num>   -> exit

4.setsid /xx/xx   (/xx/xx &)

5.start-stop-daemon --start --background --exec /usr/bin/java -- -jar /home/bruce/Desktop/jenkins.war   start-stop-daemon --stop --name java

6.screen –list/-ls   screen -*dm*S <screen_name>   screen -r <screen_name>   screen -d/screen -d <screen_name>   exit   screen -x   kill -9 <PID>   screen -wipe ctrl+a,ctrl+d   ctrl+a,ctrl+c   ctrl+a,ctrl+p/ctrl+a,ctrl+n   ctrl+a,ctrl+a   exit

Inode

1. stat xx   df -i   ls -i xx

2. ln xx xx   ln -s xx xx   rm -rf xx

Shell Variable

1. set <var/lower-case>=<value>   set   *local_variable*

2. export <var/upper-case>=<value>   setenv <var/upper-case> <value>   env

global_variable

3. echo $xx   unset <var>

4. /etc/profile   /home/xx/.profile   source /xx/xx

5. alias

vm tools

liunx:lsmod | grep vmhgfs　/sbin/mount.vmhgfs

.host:/share-name　mount -t vmhgfs .host:/share-name

windows:\\vmware-host\Shared Folders\share-name

NFS

1./etc/exports　service rpcbind start　service nfsserver start　exportfs -arv

exportfs -anv　rpcinfo -p　rpcinfo -p <server-IP>

2. showmount -a　showmount -e　showmount -e <nfs-server-IP>　tail

/var/lib/nfs/etab

3. /etc/fstab　mount -a　unmount -a　mount -t nfs xx:x xxx

4. df -h　mount -l

5.fuser -m /proj/lterbsdailytest　umount -l/-f /proj/lterbsdailytest