openSUSE Cheat Sheet   version 0.1

Project homepage
http://www.opensuse.org

openSUSE Mauritius Team
http://www.opensuse-mauritius.org

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Network

View network interfaces
```
# ifconfig -a
# ip a s
# iwconfig
```

Connect to wireless network
```
# iwlist wlan0 scan
# iwconfig wlan0 essid NETWORK_ID key
WIRELESS_KEY
```

Show routes
```
# route -n
# netstat -rn
```

Show open TCP/UDP ports
```
# netstat -ntplu
```

Show all open ports
```
# netstat -anp
```

Test host availability
```
# ping -a hostname
```

Change host name
```
# echo 'machine.host' > /etc/HOSTNAME
```

YaST Administration Tool

Run YaST using Qt GUI
```
# yast --qt
```

Run YaST using Gtk GUI
```
# yast --gtk
```

Run YaST in text-mode
```
# yast --ncurses
```

Install package using YaST
```
# yast -i packagename.rpm
```

Remove package using YaST
```
# yast --remove packagename.rpm
```

Update package using YaST
```
# yast --update packagename.rpm
```

List available YaST modules
```
# yast -l
```

Use modules
```
# yast modulename
```

ZYpp System Management

List repositories
```
# zypper lr
```

Add repository
```
# zypper ar -f <URL> <alias>
```

Refresh repositories
```
# zypper ref
```

Update installed packages
```
# zypper up
```

Perform a distribution upgrade
```
# zypper dup
```

RPM

Installing a package
```
# rpm -ivh package.rpm
```

Upgrading a package
```
# rpm -Uvh package.rpm
```

Removing a package
```
# rpm -e package.rpm
```

Information on installed RPM
```
# rpm -qi package
```

List all installed RPMs
```
# rpm -qal
```

List content of an RPM
```
# rpm -qlp package.rpm
```

CPU & Memory information

View CPU details
```
# cat /proc/cpuinfo
# grep processor /proc/cpuinfo
# lscpu
# uname -p
# uname -i
```

Show running processes
```
# ps -ef
# pstree
# top -c
```

Show memory use
```
# cat /proc/meminfo
# free -m
```

Enable/disable swap
```
# swapon -a
# swapoff -a
```

Show all open files & directories
```
# lsof | less
# lsof | grep -i filename
```

File Systems

List disks & partitions
```
# fdisk -l
# fdisk -l /dev/<h/s>d<a/z>
```

List mounted file systems
```
# mount
# cat /proc/mounts
```

Mount a partition
```
# mount -t <type> <device> <mount point>
```

Mount a CD/DVD iso image
```
# mount -t iso9660 -o loop dvd-image.iso
<mount point>
```

Unmount file systems
```
# umount /dev/<device>
# umount /<mount point>
```

Accounts

Create user account
```
# useradd <name>
      -u UID
      -g GID
      -d home directory
      -c full user name
      -s default shell
```

Delete user account
```
# userdel <name>
```

Change user password
```
# passwd <name>
```

Modify user account
```
# usermod <options> <name>
```

Services

List all services
```
# systemctl list-units --type service
```

Service status
```
# systemctl status <service name>
```

Start/Stop/Restart service
```
# systemctl stop <service name>
# systemctl start <service name>
# systemctl restart <service name>
```