



# openSUSE Basic Command Cheat Sheet

## Accounts

### To create a new user account

```
# useradd <name>
  -u specific UID
  -g specific GID
  -d create home dir
  -c User full name
  -s Assign a Default Shell
```

### Example

```
# useradd jsmith -u 1010 -g
501 -d /home/users/jsmith -c
"Joe Smith" -s /bin/bash
```

### To add/change a password

```
# passwd <name>
```

### To Modify a user account

```
# usermod <name>
  -c Changes the user name
# usermod -c "Joe Smith" jsmith
  -G add a user to a group
# usermod -G homeuser jsmith
  -L Lock the user account
# usermod -L jsmith
  -U Unlock the user account
# usermod -U jsmith
  -s Change or set a shell
# usermod -s /bin/tcsh jsmith
```

### Change a User Shell

```
# chsh -s /bin/<shell> <name>
```

### Deleting User Accounts

```
# userdel <name>
```

## RPM

### Installing an RPM

```
# rpm -ivh <package>
```

### Upgrading an RPM

```
# rpm -Uvh <package>
```

### Removing an RPM \*

```
# rpm -e <package>
```

### Details about an install RPM

```
# rpm -qi <package>
```

### List the contents of an RPM

```
# rpm -qlp <package>.rpm
```

### List installed RPM'es

```
# rpm -qal
```

### Example to find an installed RPM

```
# rpm -qal | grep <package>
```

### To see what provides a command

```
# rpm -q --whatprovides <name>
```

## YaST

### Run YaST in QT Graphical Frontend

```
# yast --qt
```

### Run YaST in gtk Graphical Frontend

```
# yast --gtk
```

### Run YaST in text-mode frontend

```
# yast --ncurses
```

### Install a Package with YaST

```
# yast -i <package>.rpm
```

### Remove an Installed Package with YaST

```
# yast --remove <package>.rpm
```

### List all available Module

```
# yast -l -or- yast --list
```

### To obtain usage of a module

```
# yast <module> help
```

\* Do recommend using the rpm -e. It can break other packages

## Using the Shell

### To see what current shell is set

```
# echo $SHELL
```

### Display all of the settings

```
# set | less
```

### List Bash Settings

```
# env
```

### To find a command you have ran

```
# ctrl-r <start typing the command>
```

### To see who you are

```
# whoami
```

### To see history

```
# history
```

### Log in as Superuser

```
# su -l
```

### Watch a file

```
# tail -f <file>
```

### Change directory

```
# cd <directory>
```

### Go back the last directory

```
# cd -
```

### To repeat the last command

```
# !!
```

### To see the current time

```
# date
```



# openSUSE Basic Command Cheat Sheet

## SaX

### Set Graphics Card

```
# SaX2
```

### Using SaX to Config ATI Card

```
# SaX2 -r -m 0=radeon
```

```
# SaX2 -r -m 0=fglrx
```

### Using SaX to Config Nvidia

```
# SaX2 -r -m 0=nv
```

```
# SaX2 -r -m 0=nvidia
```

## Services\*

### List all Services

```
# service --status-all
```

### To get a status on a Service

```
# service <name> status
```

### To start a Service

```
# service <name> start
```

### To stop a Service

```
# service <name> stop
```

### To restart a Service

```
# service <name> restart
```

### To do a full-restart on a Service

```
# service <name> --full-restart  
# service --full-start <name>
```

### To do a reload

```
# service <name> reload
```

## File Systems

### To list all disk and partitions

```
# fdisk -l
```

### To list for a specific disk

```
# fdisk -l /dev/<h/s>d<a-z>
```

### List mounted file systems

```
# mount  
# cat /proc/mounts
```

### List only specifics system type

```
# mount -t <type>
```

### List all mounted ext3 system type

```
# mount -t ext3
```

### Mount partition

```
# mount -t <type> <device> <mount point>
```

### Example Mount

```
# mount -t ext3 /dev/sda1 /mnt
```

### Mount CD/DVD ISO as a loopback Device

```
# mount -t iso9960 -o loop name.iso <mount>
```

### Example of mounting a saved iso as a loopback device

```
# mount -t iso9960 -o loop /tmp/opensuse-  
11.2-x86_64.iso /mnt
```

### See status of loopback devices

```
# losetup -a
```

### Unmount File Systems

```
# umount /dev/<device>  
# umount /<mount point>
```

## Process

### Show Every Process Currently Running

Every running Process

```
# ps -e
```

Every running Process, long listing

```
# ps -el
```

Every running Process, full-format listing

```
# ps -ef
```

Every running Process, Short BDS Style

```
# ps ax
```

Every running Process, Long BDS Style

```
# ps aux
```

### Show Memory Use

```
# free -o -m
```

### Current open files and directories

```
# lsof | less
```

### View Ethernet Connection

```
# ifconfig -a  
# ip addr
```

### View Wireless Interface

```
# iwconfig
```

### Show Routes

```
# route  
# netstat -rn  
# ip route
```

### Show all open ports

```
# netstat -anp
```

\* With openSUSE you can find most services under `/usr/sbin` with `rc` in front. So you can the replace service with `rc<name> <action>`, example `# /usr/sbin/rcapache2 restart`