

openSUSE Community Resources

Main Website

<http://opensuse.org>

Download openSUSE

<http://software.opensuse.org/>

Support

Help <http://en.opensuse.org/Portal:Support>

Documents <http://doc.opensuse.org/>

Wiki http://en.opensuse.org/Main_Page

Video <http://opensuse.blip.tv/>

Forums <http://forums.opensuse.org/>

Mail List http://en.opensuse.org/openSUSE:Mailing_lists

IRC Chats http://en.opensuse.org/openSUSE:IRC_lists

The chat rooms are on FreeNode Network...

Facebook

<http://www.facebook.com/group.php?gid=2256834487>

Twitter/FriendFeed/identi.ca

@openSUSE

Community Pages

Users <https://users.opensuse.org/>

Planet <http://planet.opensuse.org/global/>

News <http://news.opensuse.org/>

Lizards <http://lizards.opensuse.org/>

OpenSUSE-Community <http://www.opensuse-community.org>

Development

Developer Documentations <http://en.opensuse.org/Portal:Development>

Features <https://features.opensuse.org/>

Build Service <https://build.opensuse.org/>

Bugs http://en.opensuse.org/openSUSE:Submitting_bug_reports

SUSE Studio <http://susestudio.com/>

Accounts

To create a new user account

```
# useradd <name>
```

```
-u specific UID
```

```
-g specific GID
```

```
-d create home dir
```

```
-c User full name
```

```
-s -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

```
-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's shell

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

Delete a user account

```
# userdel <name>
```

Networking

View hostname

```
# hostname -f
```

List all Network Devices

```
# ifconfig -a
```

```
# ip link
```

List all Network Devices

```
# ifconfig -a
```

```
# ip link
```

Stop a network device

```
# ifconfig ethx down
```

```
# ifdown ethx
```

List all Network Devices

```
# ifconfig -a
```

```
# ifup ethx
```

Show the routes

```
# netstat -rn
```

```
# ip route
```

```
# route
```

List all TCP Connections

```
# netstat -tanp
```

```
# ss --tcp --ipv4
```

Search Host

```
# Dig <hostname>
```

```
# host <hostname>
```

```
# nslookup <hostname>
```

See if a host is a live

```
# ping <hostname-ip>
```

Zypper

```
# zypper [--global-options] <command> [--command-options]
[arguments]
```

Install packages

```
# zypper in <packages>
```

Verify packages integrity

```
# zypper ve <packages>
```

List available packages

```
# zypper lu
```

```
# zypper list-update
```

List patches needed

```
# zypper lp
```

```
# zypper list-patches
```

Information on packages

```
# zypper if <packages>
```

```
# zypper info <packages>
```

Managing Zypper Repositories

```
# zypper flag options
```

```
lr -- list all defined repositories
```

```
ar -- adds a new repo
```

```
rr -- removes a repo
```

```
nr -- rename a repo
```

```
mr -- modify a repo
```

```
ref -- refresh all repo
```

```
clean -- clean local cache
```

Remove packages

```
# zypper rm <package>
```

Patch packages

```
# zypper patch <package>
```

Update packages

```
# zypper up
```

```
# zypper update
```

Perform a distro upgrade

```
# zypper dup
```

```
# zypper dist-upgrade
```

What provides packages

```
# zypper wp <package>
```

```
# zypper what-provides <packs>
```

Processes

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 auwwx
```

List processes of current user at the Current shell

```
# ps
```

Show all processes ran by a uesers Simple process

```
# ps -u username
```

With CPU/Memory

```
# ps -u usersname u
```

With PPID

```
# ps -fu user
```

Watch Active Processes

```
# top
```

```
-d 5 Changes update delay to 5 sec
```

```
-u userid Only show that useid
```

```
-b Run in non-interactive non-screen-oriented mode.
```

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 packaging with YaST

```
# yast -i <packages>
```

Remove an installed packages with YaST

```
# yast --remove <packages>
```

List all available modules

```
# yast -l
```

```
# yast --list
```

To obtain usage of a module

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

Remember when using
openSUSE

"Have a lot of fun"

File System Layout

Bin -- Contains useful commands that are used both user and administrators.

Boot -- This directory contains the system.map file as well as the Linux kernel.

Dev -- Contains the special device files for all the devices.

Etc -- This directory contains all the configuration files for your system.

Home -- Linux is a multi-user environment so each user is also assigned a specific directory which is accessible only to them and the system administrator.

Lib -- Contains all the shared libraries that are required by system programs.

Media -- Mount point for removeable media.

Mnt -- A generic mount point.

Opt -- Contains all the software and add-on packages that are not part of the default installation.

Proc -- Filesystem is the de-facto standard Linux method for handling process and system information.

Root -- Home directory of the user root.

Sbin -- Contains all the binaries that are essential to the working of the system.

Selinux -- Pseudo-file system contains commands that are most commonly used by the kernel subsystem.

Srv -- Contains site-specific data which is served by this system.

Tmp -- Temp Directory.

Usr -- Directory contains system files and directories that is shared by all users.

Var -- Contains files to which the system writes data during the course of its operation.

RPM

Installing a RPM

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

Upgrade a RPM

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

Removing a package

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

Detials about an RPM

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

List the contents of RPM

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

List installed RPM'es

```
# rpm -qa
```

Example to find an installed RPM

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

To see what provides a command

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

Using the shell

To See what the current shell

```
# echo $SHELL
```

Display all settings

```
# set | less
```

List Bash Setting

```
# env
```

To find a command you have ran

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

Log in as Superuser

```
# su -l
```

To see history

```
# history
```

Watch a file or log

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

Go back to the las directory

```
# cd -
```

To repeat the last directory

```
# !!
```

To see the current time and date

```
# date
```

Display a calendar

```
# cal
```

Update System Time

```
# ntpdate pool.ntp.org
```

What kernel is running..

```
# uname -a
```

See that release is install

```
# cat /etc/SuSE-release
```

To see who you are

```
# whoami
```

```
# id
```

Current Directory

```
pwd
```