

openSUSE cheat sheet

YaST ADMINISTRATION TOOL

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  
Package information  
# zypper if <package>  
Package search  
# zypper se <package/dependency>  
Which package owns a file  
# zypper se --provides <file path>  
List Files in package  
# rpm -ql <package>
```

BUILD SERVICE

```
Branch & Checkout a Package  
#osc bco <project> <package>  
Commit changes to package  
#osc commit -m "<comment>"  
Submit changed package  
#osc sr
```

```
Run YaST using Qt GUI  
# yast --qt  
Run YaST using Gtk GUI  
# yast --gtk  
Run YaST in text-mode  
# yast --ncurses  
List available YaST modules  
# yast -l  
Use modules  
# yast <modulename>
```

NETWORK

```
View network interfaces  
# ip a  
# iwconfig  
Show routes  
# ip r  
Show open TCP/UDP ports  
# netstat -ntplu  
Show active connections  
# netstat -anp  
Test host availability  
# ping -a hostname  
Change host name  
# echo 'machine.host' > /etc/HOSTNAME
```

SERVICES

```
List all services  
# systemctl list-units --type service  
Service status  
# systemctl status <service name>  
Start/Stop/Restart service  
# systemctl start <service name>  
# systemctl stop <service name>  
# systemctl restart <service name>  
Show overridden config files  
# systemd-delta  
Analyze boot times  
# systemd-analyze blame  
# systemd-analyze plot > filename.svg  
Show the journal information  
# journalctl -u <service name>  
# journalctl -f (like tail -f)  
# journalctl -b (messages since last boot)  
Manage Time and Date  
# timedatectl
```

FILE SYSTEMS

```
List disks & partitions  
# fdisk -l  
# fdisk -l /dev/<h/s>d<a/z>  
List mounted file systems  
# findmnt  
# 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>  
Disk space usage  
# df -h  
# btrfs fi df <mount point>  
space occupied by a file or directory  
# du -h
```

CPU & MEMORY INFORMATION

```
View CPU details  
# cat /proc/cpuinfo  
# lscpu  
# uname -p  
# uname -i  
Show running processes  
# ps -ef  
# pstrace  
# top -c  
Show memory use  
# cat /proc/meminfo  
# free -m  
Enable/disable swap  
# swapon -a  
# swapoff -a  
Show open files & directories  
# lsof
```

Open Build Service

Want to provide your software for Linux? OBS builds deb, rpm and tgz for ARMv5/v7/v8, x86, x86_64, POWER, on 28 Linux distributions. All from a easy web interface, or a command line tool if you wish.

- * Pulls code directly from git or svn and builds each package in a fresh virtual machine (VM) for repeatable and reliable results.
- * Offers API to integrate with applications, other open build service (OBS) instances or websites.
- * Offers powerful collaboration features including team and project formation, forking of packages and merge requests.

Learn about OBS at openbuildservice.org

openQA

Want to test an operating system? openQA is here. Fully automated testing by running the OS in a Virtual Machine, giving keyboard and mouse input. openQA takes screenshots of the process and judges them using text and image recognition.

- * Easy web interface with clear status view.
- * Tests can be clicked together in the web UI.
- * Screenshots can be downloaded as videos.

See it in action at openqa.opensuse.org

SUSE Studio

You want to build your own Linux? Studio helps you out! Log in, pick a name and choose a base: openSUSE or SUSE Linux Enterprise, with desktop or without. Add your choice of software, scripts and artwork. Put it all together in a friendly web interface!

- * A new operating system in 20 minutes.
- * Test drive your operating system via Secure Shell (SSH) or web browser, and your changes get saved to your OS. Generate images for VMware, KVM and LiveCD/USB or do a one-click deployment to Amazon EC2 and other clouds.
- * Include WebYaST and make a OS that you can configure from any web browser.

Try Studio at susestudio.com



WHAT'S COOL ABOUT openSUSE

