

openSUSE cheat sheet

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/dependancy>
Which package owns a file
zypper se --provides <file path>
List Files in package
rpm -ql <package>

YaST ADMINISTRATION TOOL

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 <module name>

BUILD SERVICE

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

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

CPU & MEMORY INFORMATION

View CPU details
cat /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 open files & directories
lsof

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

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

