Linux Cheat Sheet <CentOS/Fedora based> Cheat Sheet

by idan_shm via cheatography.com/39583/cs/12287/

Built-in manuals and info

man <Command>	Show manual for the command
info <Command>	Show wide info about the command (Can be secondary to man)
<Command> --help	Short command/tool usage

System info

uname -a	Show system and kernel version
history	Show current user bash commands history
date	Show current date and time
cal	Show calendar
uptime	Show system uptime
df -h	Show all mounted file systems
du -h <Path>	Show disk usage, to get better understanding what is taking all the disk space
free -h	Show available memory and usage
which <Command>	Show the binary/script location if it is under the $PATH
top	Show running processes on realtime
ps -aux	Capture all running processes and print in terminal
dmesg	Print or control the kernel ring buffer
cat /var/log/syslog	Show system logs
journalctl	Query the systemd journal

Bash Variables

env	Show environment variables
echo $HOME	Home directory
echo $PATH	Executable search path
echo $SHELL	Current shell

Navigation

cd <Path>	Change directory
pwd	Present/print working directory
ls	List directory contents
ls -la	Long list directory contents and hidden files and wide info
find /home/user -name '*.txt'	Search and print all the .txt files under the user directory
mount	show or mount filesystems
umount	unmount file systems

File manipulation

touch	Update the file last modification date, if the file does not exist, touch will create a new file
cp	Copy files
mv	Move files, also used to rename a file
rm	Delete files or directories (can be used with -r for recursive)
mkdir	Create new directory
rmdir	Delete directory (Only if empty)
chmod	Change file mode/permissions r=4 w=2 x=1
chown <owner:group>	Change file ownership
cat	Print file content
head	Show first 10 lines of a file
tail	Show last 10 lines of a file
tail -F	Output last lines of the file as it changes
file	Show info about the file such as file type

Users and groups management

whoami	Show current user
sudo adduser <Username>	Create a new user
sudo userdel -rf <Username>	Delete user (Including the home directory)
sudo passwd <Username>	Change user password
id	Show user uid, groups and info
who	Show current logged in users

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Users and groups management (cont)

sudo usermod -aG <Group> <User>	Add user to group
sudo groupdel <Group>	Delete group
cat /etc/group	List all groups
cat /etc/passwd	List all users

Disk utils

IO Redirection

cmd < file	Input to cmd from file
cmd1 <(cmd2)	Output of cmd2 as file input to cmd1
cmd > file	stdout of cmd to file
cmd > /dev/null	Discard stdout of cmd
cmd >> file	Append stdout to file
cmd 2> file	stderr of cmd to file
cmd 1>&2	stdout to same place as stderr
cmd 2>&1	stderr to same place as stdout
cmd &> file	Every output of cmd to file

cmd = Command
stdout = Standard output
stderr = Error output

Package management

dnf upgrade	Upgrade a package or packages on your system
dnf search <Package>	Search package details for the given string
dnf remove <Package>	Remove a package or packages from your system
dnf repolist	Display the configured software repositories
rpm -i <Package>	Install rpm package
rpm -e <Package>	Uninstall rpm package

Networking

ifconfig -a	Show all network interfaces and more
netstat	Print network connections, routing tables, interface statistics, masquerade connections, and multi-cast memberships

VIM Editor

Delete character

VIM Editor

:x + enter	Save and quit
:q! + enter	exit, discard changes
x	Delete character
i	Insert text
a	append text
dw	Delete word
d$	Delete to the end of the line
0 (Zero)	Move to the start of the line
2w	Jump 2 words
d2w	Delete 2 words
dd	Delete a whole line
2dd	Delete 2 whole lines
u	Undo previous actions
U	Undo all the changes on a line
CTRL-R	Undo the undo's
r	Replace character

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