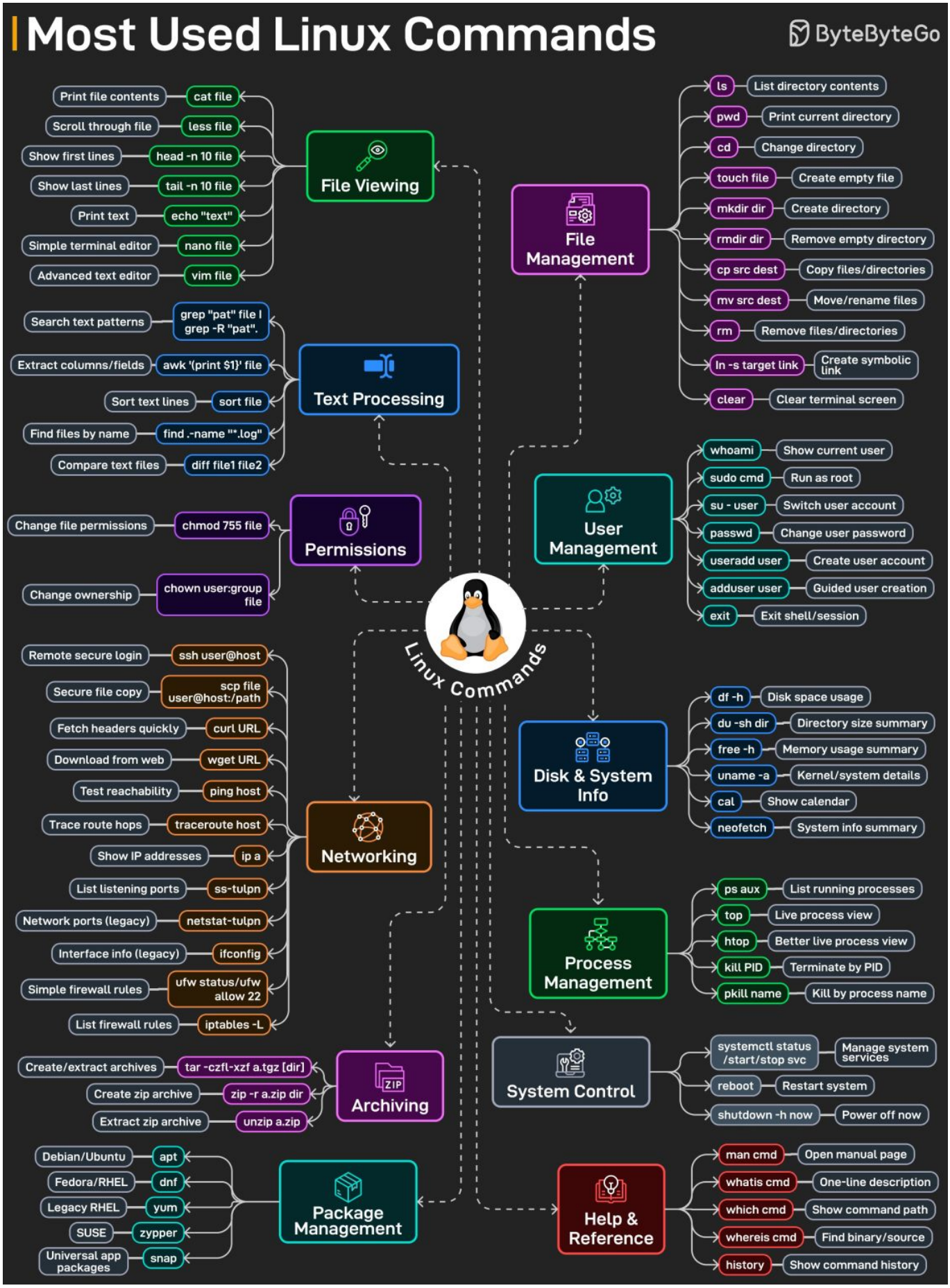
Command line


Most Used Linux Commands
ByteByteGo
Linux Commands
File Viewing
Print file contents
cat file
Scroll through file
less file
Show first lines
head -n 10 file
Show last lines
tail -n 10 file
Print text
echo "text"
Simple terminal editor
nano file
Advanced text editor
vim file
File Management
ls
List directory contents
pwd
Print current directory
cd
Change directory
touch file
Create empty file
mkdir dir
Create directory
rmdir dir
Remove empty directory
cp src dest
Copy files/directories
mv src dest
Move/rename files
rm
Remove files/directories
ln -s target link
Create symbolic link
clear
Clear terminal screen
Text Processing
Search text patterns
grep "pat" file | grep -R "pat".
Extract columns/fields
awk '{print $1}' file
Sort text lines
sort file
Find files by name
find . -name "*.log"
Compare text files
diff file1 file2
User Management
whoami
Show current user
sudo cmd
Run as root
su - user
Switch user account
passwd
Change user password
useradd user
Create user account
adduser user
Guided user creation
exit
Exit shell/session
Permissions
Change file permissions
chmod 755 file
Change ownership
chown user:group file
Networking
Remote secure login
ssh user@host
Secure file copy
scp file user@host:/path
Fetch headers quickly
curl URL
Download from web
wget URL
Test reachability
ping host
Trace route hops
traceroute host
Show IP addresses
ip a
List listening ports
ss -tulpn
Network ports (legacy)
netstat -tulpn
Interface info (legacy)
ifconfig
Simple firewall rules
ufw status/ufw allow 22
List firewall rules
iptables -L
Disk & System Info
df -h
Disk space usage
du -sh dir
Directory size summary
free -h
Memory usage summary
uname -a
Kernel/system details
cal
Show calendar
neofetch
System info summary
Process Management
ps aux
List running processes
top
Live process view
htop
Better live process view
kill PID
Terminate by PID
pkill name
Kill by process name
Archiving
Create/extract archives
tar -czfl-xzf a.tgz [dir]
Create zip archive
zip -r a.zip dir
Extract zip archive
unzip a.zip
System Control
systemctl status /start/stop svc
Manage system services
reboot
Restart system
shutdown -h now
Power off now
Package Management
Debian/Ubuntu
apt
Fedora/RHEL
dnf
Legacy RHEL
yum
SUSE
zypper
Universal app packages
snap
Help & Reference
man cmd
Open manual page
whatis cmd
One-line description
which cmd
Show command path
whereis cmd
Find binary/source
history
Show command history

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