# **Linux Quick Reference**

SOME USEFUL COMMANDS

File / Diverteur Design

Command

File/Directory Basics
Is List files

cp Copy files
mv Rename files
rm Delete files

Task

In Link files cd Change directory

pwd Print current directory

name

mkdir Create directory rmdir Delete directory

**File Viewing** 

cat View files
less Page through files
head View file beginning
tail View file ending
nl Number lines
od View binary data

xxd View binary data
gv View Postscript/PDF files
xdvi View TeX DVI files

**File Creation and Editing** 

emacs Text editor vim Text editor

umask Set default file protections

soffice Edit Word/Excel/ PowerPoint docs

abiword Edit Word documents gnumeric Edit Excel documents

**File Properties** 

stat Display file attributes
wc Count bytes/words/lines
du Measure disk usage

file Identify file types
touch Change file timestamps
chown Change file owner

chgrp Change file group
chmod Change file protections
chattr Change advanced file

attributes

Isattr List advanced file

attributes

Command Task
File Location

find Locate files

slocate Locate files via index which Locate commands whereis Locate standard files

**File Text Manipulation** 

grep Search text for matching

lines

cut Extract columns
paste Append columns
tr Translate characters

sort Sort lines

uniq Locate identical lines
tee Copy stdin to a file and

Copy stdin to a file and to stdout simultaneously

**File Compression** 

gzip Compress files

(GNÚ Zip)

compress Compress files (Unix)
bzip2 Compress files (BZip2)

zip Compress files

(Windows Zip)

**File Comparison** 

diff Compare files line by line

comm Compare sorted files cmp Compare files byte

by byte

md5sum Compute checksums

**Disks and Filesystems** 

fsck

df Show free disk space mount Make a disk accessible

Check a disk for errors

sync Flush disk caches

**Backups and Remote Storage** 

mt Control a tape drive

dump Back up a disk restore Restore a dump

tar Read/write tape archives

cdrecord Burn a CD

rsync Mirror a set of files



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SOME USEFUL COMMANDS

Command	Task
File/Directo	ry Basics
ls	List files
ср	Copy files
mv	Rename files
rm	Delete files
In	Link files
cd	Change directory
pwd	Print current directory name
mkdir	Create directory
rmdir	Delete directory
File Viewing	B
cat	View files
less	Page through files
head	View file beginning
tail	View file ending

Number lines View binary data

View binary data

View TeX DVI files

View Postscript/PDF files

## **File Creation and Editing**

nl

od

xxd

gv

xdvi

Text editor emacs Text editor vim Set default file umask protections soffice Edit Word/Excel/ PowerPoint docs Edit Word documents abiword gnumeric Edit Excel documents

## **File Properties**

Display file attributes stat Count bytes/words/lines WC Measure disk usage du file Identify file types touch Change file timestamps chown Change file owner chgrp Change file group chmod Change file protections chattr Change advanced file attributes **Isattr** List advanced file

#### Command Task **File Location**

find Locate files Locate files via index slocate which Locate commands Locate standard files whereis

#### **File Text Manipulation**

grep	Search text for matching lines
cut	Extract columns
paste	Append columns
tr	Translate characters
sort	Sort lines
uniq	Locate identical lines

Copy stdin to a file and

to stdout simultaneously

#### **File Compression**

tee

The compression	
gzip	Compress files (GNU Zip)
compress	Compress files (Unix)
bzip2	Compress files (BZip2)
zip	Compress files (Windows Zip)

### File Comparison

diff		Compare files line by line
con	nm	Compare sorted files
cm	p	Compare files byte by byte
md	5sum	Compute checksums

#### **Disks and Filesystems**

df	Show free disk space
mount	Make a disk accessible
fsck	Check a disk for errors
sync	Flush disk caches

Backups and	Remote Storage
mt	Control a tape drive
dump	Back up a disk
restore	Restore a dump
tar	Read/write tape archives
cdrecord	Burn a CD
rsync	Mirror a set of files

#### Command Task **File/Directory Basics**

ls	List files
ср	Copy files
mv	Rename files
rm	Delete files
ln	Link files
cd	Change directory
pwd	Print current directory

Create directory

Delete directory

#### File Viewing

mkdir

rmdir

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xxd	View binary data
gv	View Postscript/PDF files
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#### **File Creation and Editing**

emacs	Text editor
vim	Text editor
umask	Set default file protections
soffice	Edit Word/Excel/ PowerPoint docs
abiword	Edit Word documents
gnumeric	Edit Excel documents

#### File Properties

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WC	Count bytes/words/lines
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file	Identify file types
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chmod	Change file protections
chattr	Change advanced file attributes
lsattr	List advanced file

attributes

#### Command Task **File Location**

find	Locate files
slocate	Locate files via index
which	Locate commands
whereis	Locate standard files

Search text for matching

#### **File Text Manipulation**

	iii1C3
cut	Extract columns
paste	Append columns
tr	Translate characters
sort	Sort lines
uniq	Locate identical lines
tee	Copy stdin to a file and to stdout simultaneously

lines

File Compression	
Compress files (GNU Zip)	
Compress files (Unix)	
Compress files (BZip2)	
Compress files (Windows Zip)	

#### File Comparison

diff	Compare files line by line
comm	Compare sorted files
cmp	Compare files byte by byte
md5sum	Compute checksums

#### Disks and Filesystems

df	Show free disk space
mount	Make a disk accessible
fsck	Check a disk for errors
sync	Flush disk caches

#### **Backups and Remote Storage**

mt	Control a tape drive
dump	Back up a disk
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tar	Read/write tape archives
cdrecord	Burn a CD
rsync	Mirror a set of files

Mirror a set of files

#### Command Task **File/Directory Basics**

ls	List files
ср	Copy files
mv	Rename files
rm	Delete files
ln	Link files
cd	Change directory

Print current directory pwd name

mkdir Create directory Delete directory rmdir

### **File Viewing**

cat

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View files

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#### File Properties

stat

Isattr

Count bytes/words/lines
Measure disk usage
Identify file types
Change file timestamps
Change file owner
Change file group
Change file protections
Change advanced file attributes

attributes

Display file attributes

Command Task

File Location

find	Locate files
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#### Disks and Filesystems

Show free disk space
Make a disk accessible
Check a disk for errors
Flush disk caches

#### **Backups and Remote Storage**

mt	Control a tape drive
dump	Back up a disk
restore	Restore a dump
tar	Read/write tape archive

Burn a CD cdrecord

Mirror a set of files rsync







List advanced file

attributes

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SOME USEFUL COMMANDS

Command	lask	Command	lask
Printing		Networking	3
lpr	Print files	ssh	Securely log into remote
lpq	View print queue		hosts
lprm	Remove print jobs	telnet	Log into remote hosts
•	, ,	scp	Securely copy files
Spelling Operations			between hosts
look	Look up spelling	sftp	Securely copy files between hosts
aspell	Check spelling		
•	interactively	ftp	Copy files between hosts
spell	Check spelling in batch	evolution	GUI email client
_		mutt	Text-based email client
Processes		mail	Minimal email client
DS	List all processes		10/.1.1

_		muπ	lext-based email client
Processes		mail	Minimal email client
ps	List all processes	mozilla	Web browser
W	List users' processes	lynx	Text-only web browser
uptime	View the system load	wget	Retrieve web pages
top	Monitor processes	11801	to disk
xload	Monitor system load	slrn	Read Usenet news
free	Display free memory	gaim	Instant messaging/IRC
kill	Terminate processes	talk	Linux/Unix chat
nice	Set process priorities	write	Send messages to
renice	Change process priorities		a terminal

mesg

audacity

xcdroast

Audio and Video

<b>Scheduling</b>	Jobs	
-1	11/-:+ f	 ±:

sieep	vvait ioi some time	7tualo ulla	Audio dila viaco	
watch	Run programs at set	grip	Play CDs and rip MP3s	
	intervals	xmms	Play audio files	
at	Schedule a job	cdparanoia	Rip audio	

Change process priorities

crontab Schedule repeated jobs

Hosts

renice

Print system information uname Print the system's hostname

hostname

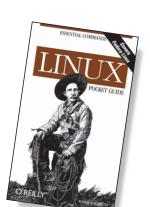
ifconfig Set/display network information

host Look up DNS

whois Look up domain registrants

ping Check if host is reachable View network path to traceroute

a host



Prohibit talk/write

Edit audio

Burn CDs

