

Basic Linux Commands

Cheat-sheet For Linux

Basic Linux commands are thus categorized as:



FILE
COMMANDS



PROCESS
MANAGEMENTS



FILE
PERMISSION



SEARCHING



SYSTEM INFO



COMPRESSION



NETWORK



SHORTCUTS

FILE COMMANDS

ls	Directory listing
ls -al	Formatted listing with hidden files
ls -lt	Sorting the Formatted listing by time modification
cd dir	Change directory to dir
cd	Change to home directory
pwd	Show current working directory
mkdir dir	Creating a directory dir
cat >file	Places the standard input into the file
more file	Output the contents of the file
head file	Output the first 10 lines of the file
tail file	Output the last 10 lines of the file
tail -f file	Output the contents of file as it grows, starting with the last 10 lines
touch file	Create or update file
rm file	Deleting the file
rm -r dir	Deleting the directory
rm -f file	Force to remove the file
rm -rf dir	Force to remove the directory dir
cp file1 file2	Copy the contents of file1 to file2
cp -r dir1 dir2	Copy dir1 to dir2; create dir2 if not present
mv file1 file2	Rename or move file1 to file2, if file2 is an existing directory
ln -s file link	Create symbolic link link to file

PROCESS MANAGEMENT AND FILE PERMISSION

ps	To display the currently working processes
top	Display all running process
kill pid	Kill the process with given pid
killall proc	Kill all the process named proc
pkill pattern	Will kill all processes matching the pattern
bg	List stopped or background jobs,resume a stopped job in the background
fg	Brings the most recent job to foreground
fg n	Brings job n to the foreground

chmod octal file	<p>Change the permission of file to octal,which can be found separately for user,group,world by adding,</p> <ul style="list-style-type: none">• 4-read(r)• 2-write(w)• 1-execute(x)
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SEARCHING

grep pattern file	Search for pattern in file
grep -r pattern dir	Search recursively for pattern in dir
command grep pattern	Search pattern in the output of a command
locate file	Find all instances of file
find . -name filename	Searches in the current directory (represented by a period) and below it, for files and directories with names starting with filename
pgrep pattern	Searches for all the named processes , that matches with the pattern and, by default, returns their ID

SEARCHING

date	Show the current date and time
cal	Show this month's calender
uptime	Show current uptime
w	Display who is on line
whoami	Who you are logged in as
finger user	Display information about user
uname -a	Show kernel information
cat /proc/cpuinfo	Cpu information
cat proc/meminfo	Memory information
man command	Show the manual for command
df	Show the disk usage
du	Show directory space usage
free	Show memory and swap usage
whereis app	Show possible locations of app
which app	Show which applications will be run by default

COMPRESSION

<code>tar cf file.tar file</code>	Create tar named file.tar containing file
<code>tar xf file.tar</code>	Extract the files from file.tar
<code>tar czf file.tar.gz files</code>	Create a tar with Gzip compression
<code>tar xzf file.tar.gz</code>	Extract a tar using Gzip
<code>tar cjf file.tar.bz2</code>	Create tar with Bzip2 compression
<code>tar xjf file.tar.bz2</code>	Extract a tar using Bzip2
<code>gzip file</code>	Compresses file and renames it to file.gz
<code>gzip -d file.gz</code>	Decompresses file.gz back to file

COMPRESSION

<code>tar cf file.tar file</code>	Create tar named file.tar containing file
<code>tar xf file.tar</code>	Extract the files from file.tar
<code>tar czf file.tar.gz files</code>	Create a tar with Gzip compression
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<code>tar cjf file.tar.bz2</code>	Create tar with Bzip2 compression
<code>tar xjf file.tar.bz2</code>	Extract a tar using Bzip2
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NETWORK

ping host	Ping host and output results
whois domain	Get whois information for domains
dig domain	Get DNS information for domain
dig -x host	Reverse lookup host
wget file	Download file
wget -c file	Continue a stopped download

SHORTCUTS

ctrl+c	Halts the current command
ctrl+z	Stops the current command, resume with fg in the foreground or bg in the background
ctrl+d	Logout the current session, similar to exit
ctrl+w	Erases one word in the current line
ctrl+u	Erases the whole line
ctrl+r	Type to bring up a recent command
!!	Repeats the last command
exit	Logout the current session



Thank you