

Bash Commands	Bash Variables (cont)	Command Lists
uname -a Show system and kernel	export <i>NAME</i> = <i>value</i> Set \$ <i>NAME</i> to <i>value</i>	<i>cmd1</i> ; <i>cmd2</i> Run <i>cmd1</i> then <i>cmd2</i>
head -n1 /etc/issue Show distribution	\$PATH Executable search path	<i>cmd1</i> && <i>cmd2</i> Run <i>cmd2</i> if <i>cmd1</i> is successful
mount Show mounted fileystems	\$HOME Home directory	<i>cmd1</i> <i>cmd2</i> Run <i>cmd2</i> if <i>cmd1</i> is not successful
date Show system date	\$SHELL Current shell	<i>cmd</i> & Run <i>cmd</i> in a subshell
uptime Show uptime		
whoami Show your username		
man <i>command</i> Show manual for <i>command</i>		
Bash Shortcuts	IO Redirection	Directory Operations
CTRL-c Stop current command	<i>cmd</i> < <i>file</i> Input of <i>cmd</i> from <i>file</i>	pwd Show current directory
CTRL-z Sleep program	<i>cmd1</i> <(<i>cmd2</i>) Output of <i>cmd2</i> as file input to <i>cmd1</i>	mkdir <i>dir</i> Make directory <i>dir</i>
CTRL-a Go to start of line	<i>cmd</i> > <i>file</i> Standard output (stdout) of <i>cmd</i> to <i>file</i>	cd <i>dir</i> Change directory to <i>dir</i>
CTRL-e Go to end of line	<i>cmd</i> > /dev/null Discard stdout of <i>cmd</i>	cd .. Go up a directory
CTRL-u Cut from start of line	<i>cmd</i> >> <i>file</i> Append stdout to <i>file</i>	ls List files
CTRL-k Cut to end of line	<i>cmd</i> 2> <i>file</i> Error output (stderr) of <i>cmd</i> to <i>file</i>	
CTRL-r Search history	<i>cmd</i> 1>&2 stdio to same place as stderr	
!! Repeat last command	<i>cmd</i> 2>&1 stderr to same place as stdout	
!abc Run last command starting with <i>abc</i>	<i>cmd</i> &> <i>file</i> Every output of <i>cmd</i> to <i>file</i>	
!abc:p Print last command starting with <i>abc</i>	<i>cmd</i> refers to a command.	
!\$ Last argument of previous command		
ALT-. Last argument of previous command		
!* All arguments of previous command		
^abc^123 Run previous command, replacing <i>abc</i> with <i>123</i>		
Bash Variables	Pipes	Is Options
env Show environment variables	<i>cmd1</i> <i>cmd2</i> stdio of <i>cmd1</i> to <i>cmd2</i>	grep <i>pattern</i> <i>files</i> Search for <i>pattern</i> in <i>files</i>
echo \$ <i>NAME</i> Output value of \$ <i>NAME</i> variable	<i>cmd1</i> & <i>cmd2</i> stderr of <i>cmd1</i> to <i>cmd2</i>	grep -i Case insensitive search



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Published 28th October, 2011.
 Last updated 29th February, 2020.
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Cheatography

Linux Command Line Cheat Sheet

by Dave Child (DaveChild) via cheatography.com/1/cs/49/

Search Files (cont)	Process Management	Screen Shortcuts (cont)
find /dir/-user <i>name</i> Find files owned by <i>name</i> in <i>dir</i>	ps Show snapshot of processes	screen -list Show your current screen sessions.
find /dir/-mmin <i>num</i> Find files modified less than <i>num</i> minutes ago in <i>dir</i>	top Show real time processes	CTRL-A Activate commands for screen.
whereis <i>command</i> Find binary / source / manual for <i>command</i>	kill <i>pid</i> Kill process with id <i>pid</i>	CTRL-A c Create a new instance of terminal.
locate <i>file</i> Find <i>file</i> (quick search of system index)	pkill <i>name</i> Kill process with name <i>name</i>	CTRL-A n Go to the next instance of terminal.
File Operations	Nano Shortcuts	CTRL-A p Go to the previous instance of terminal.
touch <i>file1</i> Create <i>file1</i>	killall <i>name</i> Kill all processes with names beginning <i>name</i>	CTRL-A " Show current instances of terminals.
cat <i>file1 file2</i> Concatenate files and output	Files	CTRL-A A Rename the current instance.
less <i>file1</i> View and paginate <i>file1</i>	Ctrl-R Read file	More screen info at: http://www.gnu.org/software/screen/
file <i>file1</i> Get type of <i>file1</i>	Ctrl-O Save file	File Permissions
cp <i>file1 file2</i> Copy <i>file1</i> to <i>file2</i>	Ctrl-X Close file	chmod 775 <i>file</i> Change mode of <i>file</i> to 775
mv <i>file1 file2</i> Move <i>file1</i> to <i>file2</i>	Cut and Paste	chmod -R 600 <i>folder</i> Recursively chmod <i>folder</i> to 600
rm <i>file1</i> Delete <i>file1</i>	ALT-A Start marking text	chown <i>user:group file</i> Change <i>file</i> owner to <i>user</i> and group to <i>group</i>
head <i>file1</i> Show first 10 lines of <i>file1</i>	CTRL-K Cut marked text or line	File Permission Numbers
tail <i>file1</i> Show last 10 lines of <i>file1</i>	CTRL-U Paste text	First digit is owner permission, second is group and third is everyone.
tail -F <i>file1</i> Output last lines of <i>file1</i> as it changes	Navigate File	Calculate permission digits by adding numbers below.
Watch a Command	ALT-/ End of file	4 read (r)
watch -n 5 'ntpq -p' Issue the 'ntpq -p' command every 5 seconds and display output	CTRL-A Beginning of line	2 write (w)
	CTRL-E End of line	1 execute (x)
	CTRL-C Show line number	
	CTRL-_ Go to line number	
	Search File	
	CTRL-W Find	
	ALT-W Find next	
	CTRL-\ Search and replace	
	More nano info at: http://www.nano-editor.org/docs.php	
	Screen Shortcuts	
	screen Start a screen session.	
	screen -r Resume a screen session.	



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