## Cheatography

Linux (	Cheat Sheet
by rootis	ssh via cheatography.com/135898/cs/28249/

bash commands		
uname -a	Show system and kernel info	
date	Show system date	
uptime	System uptime	
whoami	Show current user	
mount	Show mounted filesy- stems	
man	Show manual for command	

bash variables		
env	Show enviro-	
	nment variables	
echo "STR- ING"	Output string	
echo	Output value of	
\$NAME	NAME variable	
export	set "value to	
NAME =	NAME	
value		
\$PATH	Executable	
	search path	
\$HOME	Home directory	
\$SHELL	Current shell	

directory operations		
pwd	Shows present working directory	
mkdir dirname	Make directory	
cd dirname	Change directory	
cd	Go to parent directory of current dir	
ls	list files	

ls op	tions		file operations (cont)		
-I Long list		ist	head	sh	ow top 10
-a	Show	all(hidden files too)	file1	file	21
-R	Recur	sive order	tail	sh	ow bottom
-r	Rever	se order	file1	of	file1
-t	Sort b	y last modified	IO redir	ectio	on
-m	-m Comma separated out		commar	nd	read inpu
-Q	Quote	d output	< file		command
-S	Sort b	y file size	command write c		write outp
			> file		
file s	earch	methods	commar	nd	Append of
grep patter	ro	Search for patter in files	>> file		file
files		III IIIes	commar	command1	
grep	-r	Recursive search	l commar	nd2	output of command
grep	-i	Case insensitive	o o nini da		comman
0 1		search			
grep	-V	Inverted search	process	s ma	nagement
find /a	dir/ -	Find files starting	ps	sho	ow process
name name		with <i>name</i> in <i>dir</i>	top		ow real tim ocesses
find /a	dir/ -	Find files owned	kill <i>pid</i>	Kill	process v
user /	name	by <i>name</i> in <i>dir</i>	pkill	Kill	process w
locate	e file	Find <i>file</i>	name	na	me
file e	noroti		killall	kill	all proces
	peratio		name	na	me <i>name</i>
touch <i>file1</i>	I	create file1	file perr	niss	ions
cat fil	le1	concatenate file and	chown		Change
file2		output	user:gro	up	owner t
file file	e1	get type of file1	file		and gro group
cp file	e1	Copy file1 to file2	chmod 7	777	Change
file2			file	, ,	file to 7
mv fil file2	e1	Move file1 to file2	The first		the seco
		Delete <i>file1</i>	digit is		group a
	- 1	2 0.010 110 1	owner		user

tail file1	show bottom 10 lines of <i>file1</i>		
IO redirection			
commanc < file	I read input of command from <i>file</i>		
command > file	write output to <i>file</i>		
command	Append output to file		
commanc   commanc	output of		

show top 10 lines of

process management		
ps	show processes	
top	show real time	
	processes	
kill <i>pid</i>	Kill process with id pid	
pkill	Kill process with name	
name	name	
killall	kill all processes with	
name	name <i>name</i>	

bash shortcuts		
CTRL	Stop current comand	
- C		
CTRL - z	Sleep program	
CTRL - a	Go to start	
CTRL - e	Go to end	
CTRL - r	search history	
!!	repeat last command	
!abc	run last command starting with abc	
!\$	last argument of previous command	
!*	all arguments of previous command	

	file permissions			
	chown	Change file		
	user:group	owner to user		
	file	and group to		
		group		
	chmod 777	Change mode of		
	file	file to 777		
	The first	the second is		
	digit is	group and third is		
	owner	user		
	permission,			
	4	read(r)		
	2	write(w)		
	1	execute(x)		

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