

Cyber Security for Beginners

LINUX COMMANDS WITH THEIR USES.

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File Commands		
1.	ls	Directory listing
2.	ls -al	Formatted listing with hidden files
3.	ls -lt	Sorting the Formatted listing by time modification
4.	cd dir	Change directory to dir
5.	cd	Change to home directory
6.	pwd	Show current working directory
7.	mkdir dir	Creating a directory dir
8.	cat >file	Places the standard input into the file
9.	more file	Output the contents of the file
10	head file	Output the first 10 lines of the file
.		
11	tail file	Output the last 10 lines of the file
.		
12	tail -f file	Output the contents of file as it grows,starting with the last 10 lines
.		
13	touch file	Create or update file
.		
14	rm file	Deleting the file
.		
15	rm -r dir	Deleting the directory
.		
16	rm -f file	Force to remove the file
.		
17	rm -rf dir	Force to remove the directory dir
.		
18	cp file1 file2	Copy the contents of file1 to file2
.		
19	cp -r dir1 dir2	Copy dir1 to dir2;create dir2 if not present
.		
20	mv file1 file2	Rename or move file1 to file2,if file2 is an existing directory
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21	ln -s file link	Create symbolic link link to file
.		

Network Commands		
1.	ping host	Ping host and output results
2.	whois domain	Get whois information for domains
3.	dig domain	Get DNS information for domain
4.	dig -x host	Reverse lookup host
5.	wget file	Download file
6.	wget -c file	Continue a stopped download
7	netstat -r -v	print network information, routing and connections
8	telnet	user interface to the TELNET protocol
9	tcpdump	dump network traffic
10	ssh -i	Open SSH client

System Information Commands		
1.	date	Show the current date and time
2.	cal	Show this month's calender
3.	uptime	Show current uptime
4.	w	Display who is on line
5.	whoami	Who you are logged in as
6.	finger user	Display information about user
7.	uname -a	Show kernel information
8.	cat /proc/cpuinfo	Cpu information
9.	cat proc/meminfo	Memory information
10.	man command	Show the manual for command
11.	df	Show the disk usage
12.	du	Show directory space usage
13.	free	Show memory and swap usage
14.	whereis app	Show possible locations of app
15.	which app	Show which applications will be run by default

File Permission Commands

1	chmod -c -R	chmod file read, write and executable permission
2	touch -a -t	modify (or create) file timestamp
3	chown -c -R	change file ownership
4	chgrp -c -R	change file group permission
5	touch -a -t	modify (or create) filetimestamp

Scripting Commands

1	awk, gawk	pattern scanning
2	tsh	tiny shell
3	" "	anything within double quotes is unchanged except \ and \$
4	' '	anything within single quote is unchanged
5	python	"object-oriented programming language"
6	bash	GNU bourne-again SHell
7	ksh	korn shell
8	php	general-purpose scripting language
9	csh, tcsh	C shell
10	perl	Practical Extraction and Report Language
11	source [file]	load any functions file into the current shell, requires the file to be executable

Searching Commands

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