

Some Basic Linux Commands

FILE COMMANDS

- Is = directory listing
- Is -al = formatted listing with hidden files
- cd dir = change directory to dir
- pwd = show current directory
- mkdir dir = create directory dir
- · rm file = delete file
- · rm -r dir = delete directory dir
- · rm -f file = force remove file
- · rm -rf dir = force remove directory
- · cp file1 file2 = copy file1 to file2
- my file1 file2 = rename file1 to file2
- In -s file link = create symbolic link 'link' to file
- · touch file = create or update file
- · cat > file = place standard input into file
- . more file = output the contents of the file
- I · less file = output the contents of the file
- head file =output first 10 lines of file
- tail file = output last 10 lines of file
- tail -f file = output contents of file as it grows.

SSH

ssh user@host = connect to host

· ssh -p port user@host = connect using port p

• ssh -D port user@host = connect & use

bind port

NETWORK

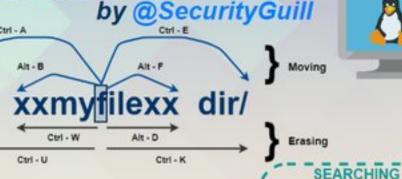
- ping host = ping host 'host'
- whois domain = get whois for domain
- dig domain = get DNS for domain
- · dig -x host = reverse lookup host
- wget file = download file
- wget -c file = continue stopped download
- . wget -r url = recursively download files

from url

SYSTEM INFO

- date = show current date/time
- cal = show this month's calendar
- . uptime = show uptime
- w = display who is online
- whoami = who are you logged in as
- I uname -a = show kernel config
- I cat /proc/cpuinfo = cpu info
- I cat /proc/meminfo = memory info
- I man command = show manual for command
- I df = show disk usage
- I i · du = show directory space usage
- I I du -sh = human readable size in GB
- I 1 free = show memory & swap usage
 - 1. whereis app = show possible locations of app
 - which app = show which app will be run by default

xxmyfilexx dir/ Ctrl - U Ctrl - K



PROCESS MANAGEMENT

ps = display currently active processes

. ps aux = ps with a lot of detail

kill pid = kill process with pid 'pid' proc = kill all processes named proc | • commad | grep pattern =

bg = lists stopped/background jobs

fg = bring most recent job to foreground

e fg n = brings job n to foreground

I • grep -r pattern dir = I search recursively for

pattern in dir

• grep pattern files =

I search for pattern in files

I search for pattern In the output of command

I . locate file = find all

Vinstances of file

FILE PERMISSIONS

 chmod octal file = change permission of file

(4:read / 2:write / 1:execute) Order: owner/group/world

Eg: chmod 755 file = read write for owner, read execute for group/world

COMPRESSION

. tar cf file.tar files = tar files into I file.tar

 tar xf file.tar = untar into current. directory

tar tf file.tar = show contents of i archive



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