Date: 16/7/24 Postical-1 AIM- Study of Various Metwork Commands used in Linux and windows Basic Networking Command Jasp-a output wherface: 192.168.1.10 --- 0x1 Internet Address physical address Type 192-168-1.1 00-14-22-01-23 Static 192.168.1.2 00-16-17-18-19 dynamic 192.168.1.3 00-19-20-21-22 dynamic 2) hostrame. output: VJSTARK 3 ip config fall Windows pronfiguration Host name: VJ8tarie Frimory Das Suffix. Node Type Mixed 1 P Routing Enable: No WINS Proxy Enabled: No DWS Suffix Sewich Lieh. hgu-Lan

4) Not Stat -a Output: Displays protocol Statistics and current TCP/IP Connections wing NBT (Net BIOS Over TOP/IP) 5) netstat Active Connetions Proto 20 Cal Address for egin Address State TCP 127.0.0.1:49687 VJStack:49689 Established TCP 127.0.0.1:49689 y stark:49688 Established TCP. 127.0.0.1:49606 VJStoub: 49607 Established TCP 127.0.0.1:49607 ysterb:49606 Established 18 looky Default Sover: multiplay bund in Address: 218-249-112-65 Pathping, Ping, IP Server multiplay bent in Addrew: 218 248 12.65 8

Linux Commande 1 addres Show output: link/ looplack, up 00,00: 00:00:00 bido 0:00:00:00 inct 127.0,01/8 Scope host to Valid - lff forever preferred - lfft torever ind 10.255.157.254/32 bod 10.255.257.254 Scape global le valid-14+ 19 actorous add 192-168-1-254/24 dev enps 03 cannot find device " enp803. 10 address del 192.168.1.30 /24 dev enpsoz delited 10 line get about up Rt Net Link are use : Operation must permitted 'Il link set AROD down, Promise as Operation not parietal 1p vous add default via 1921b8.1.254 dev etho PT Net Link auguste for be exists 1p route and 192/18.1.0/24 via 192/168.1254 Pet Det Linkansune. Network a under chable

3 1000do add 192-168 1-0/20 dojetho PINELINE anguse File crisis 17 route delle 19064 1.0/20 Nov. 190/69.1-254 deleted Sucurfully ip routeget 10:101-4. Corche Round & corlis output etho: flags - GBZ Up, Broadlast, Pauning, Multians 1 net 172 19.54.66 net made 255.250 2400 600 dood car 172-14.65-255 Expackels 33966 hyter 99282425 (99.24B) RX over a dropped o over ours oframe. O. Tx packets to 178 hytes loos496 (10 MB) TX essors o shoped o overing o covering o Collegens o

mfd a) mtr google. Com 3 quit gackels tist 2005-1. Sht dast Avg Best word & Dev D WSDER MICHERN D. Dy. 271 6.9 05 02 1.9 03 2) 192-169-11 0.04 303 3.3 6.3 1.5 62.9 66 3) 100.14.1 4.24 357 10.19.8 15.40.1 6.2 (b) 10-219-31-13 (157. 106 17.9 13.3 6.4 164.6 13.) 5) waiting for seplay 6) wanting for the replay b) Mts -9 grouple con ones god for the @ mts-1 good - com 9 quit backets Prings 48+ Lock + Snt Lout Avg Beest work Del 1) Voltare 6.6.1. 271 0.90.5 6.2. 1.90.3 2) 192.168.11 0-6-1 303 : 3.3.6.3 1.5 (2.86.6 3) hearting for replay (1) wasting for the replay

9 topdump a) dust install -y-top dump Installed encerefully b) topdump -D Cutput 1-64ho @ top dum - 1 etho topdums: Yerhole Output Rupmared, use to truby full motocol type captured 12:34:56-789123 10 192-168.1.1. https://oo3/com 1-lags [3-], leg 9 9760 4321, ach 1234567, win 600 e) topdum-i etho-clo 14 captures traffic to and from one has 4) topdump-ietho-coo host R& 8.8 rars in traffic 9) top dup -i esho det hour P. P. 8 8 H) + epdump - i etho net 10-100/24 Capture traffic to and from post reador irely wir out

4) top duty - cetho port 53 . it captures only DIS port 53+ taggic ... 5) Ping Dring google Com Ping google Com (142.250.205.308) 56(84) hyrld global. by hyper from maa 05 828 - in flx. leloo. huf (142.250.201 3) 1cmp- leg= 2 HH =58 time=11.3mg b) Ping -c 10 google-com Soogle-Com ping Statistics transmited, 3 decided, 25 paded by, 4 packets time 30 6 8 ml off lang/max/molei = 9.816/12:236/16876/3 77. 33 M W W. 18 . ક. તેમને પ

configuring an Ethanet connection by using much If you connect a heat the network over #Hearit, you can managethe corrections Get trings on the and hywring the hack wilty Pro aduke D'List the network manager connection profiles: Wind Connection 1. 25 ch 6090-cc20-3660 ethernot, openie 2) # MMCG Come Hion and con fame. I comation rame it rance device-names trepe memor Skip that step to madefy an airming profile 3 optimal terame Ru-Lonnetton proble thingli connection moderly & wised Connection 1. Hore, "Wired connection)" le name of the connection 4) Display the Current strongs of the Corneton Hoffle. # hmcli conjution show connection interface tame enviso Connectionautocomet 40 Pre - mehod auto i DV b. ne flood anto 5) Configure Re 1PV4 Setting: * To use DHCP, e MOS: If hmeli Connection Modify "wived connection 1" ipvy. huthod auso Skip this 8(ep if iper nethed is about 20- to auto (doplate)

a to set a Natic Air edited instruct and adjust gazeway has larger and leaves done sale. It rim cli conhection hadify " toused connection!" I pick he had manual 1004 address 1920-21/24 1044 godanowy 6) Configure the 1946 settings: 4 To low Statelow address auto Configuration (SLAAC), enta A Muliconnection hody birder Correctors Toys method auto I would connection In 1600. Nether manual ipolis 2001: db8: 1: 4th 1016 dus - hard example com Activation for motile If much connection up internal dan Vowfication Display the Phittings of the NIC & ip address thow ex 180 line 1 ethan 52: 54: 60:17:69:66 6d ff:ff:ff:ff:ff Offplay the the 10 VI default galerons # ip route than default

3) Treplay the 406 default galcoung It is to soule thorodofault is soul is the # Cat left 1 sol conf harbels to cother horts If Ang how name to the address 114 water and when it will the Administration I had the as it is allow Just in from tender book of the first part of the is shows here with dig all distinct Many my as town in I MARL CELENTORN UP MICERALIZAN er fauturely or had by withing of the hard DIM) DIO DE DESCRIPTION OF MINE if had ja la: Moderte Ce mills I doll of the the letter will federary Healt with the Linux and windows networking