Study of various Network commandes used in diriux 1) arp-a gateway (17216.5.1) at 76:51:16:6:45 [ether] on who30 gateway (172.168.1) at 10:50:10 of be: 45 Cother 3 on enp250 2) hostname localhost. local domain 3) if config enpreso: flago = 4163 ZUP, BROAD(AST, RUNNING, MULTICAST > Inter 1500 enet 172:16.113 netwark 255. 255. 252.0 boolad cart ulp350: flags = 4163 < UP, BROADCAST, RUNNING, MULTICAST > mtu 1500 inct 172.11.165 network 255.252.0 poordust 3) nmb lookaup - A 192.168.1.1 Loking up Status of 192.168.17.12.1174-9019490 No reply from 192.168.1.1 4) netstad -8 Kernal IP sorting table Flagz Msswindow ill Face Grateway German Destination Ua 00 0 enp250 0.0.0.0 default gateway 00 d w4350 12.16.8.0 0.0.0.0 5) nslookup www.gragle.com 172.16.8,1 Server : 172.16.8.1453 Address:

color 200

Cornedio sport

Study of various	Network commands used	in Windows
1) any -a		mapa
Interface: 192.168.	26.1 Oxe	
Internet Address	Physial Address	Type
192.168.26.255	ft-H-H-H-H-H	Statie
224.0.0.22	01-00-5e-00-00-16	statri
Interface: 172.16.8.11		
Intornet Addrew		Type
172.16.8.1	f8-bc-12-90-42-d8	
252.0 postunt	ft - 66-ft - ft - ft	statii
2) hostname		
DESKTOP-ATIU		
i) ip config:		
Windows IP (	Configuration	
Elhemet adapter	Etherniet:	Varial IP a
Connection - specific	DNS suffix:	Solientes.
	Address : fe 80: : d29a	
IPV4 Addrew		25 2.0
Subject Mark		
Default Grateway		
Wireless LAN adapt		
Medio State	DVS Suffer:	connected
Connection -specific	DVS Suffix:	

4) notstat -a: (histinana) nbtstat -a DESKTOP-ATIULD8 Input: Oulpw:-Ethernet: Node To Addres: [172.16.8.113] Supe ID: [3 Hust wot fount VMWare Network Adapter V-Hnot 8: Node IPAddren: [192.168.186.1] Supe Id:[] 5) nb tstat - a:-Displays protocol Statistics and current TCP/IP womentains uring NBT (NetB105 Over TCP/IP) NBTSTAT [C-a Remote Name] [-A IP Address] [-c3[-n] [-0] [-R] [-RR] [-S] [interval] -a - lists the renote machinis name table quies its name -A - lests the remote machines name table given its IP Adde -c - List NOT's vacte of semote names and their IP addresses -n - Lists local Net Blos names. -o - hists names verthed by bouldcast and his wins -R - Purges and reloads the remote names. -S - dist remines table with the distinction IP address -s - Leits semino table converting destination IP address to computer METBIOS names -RR - Sends Name Reliane parkets to WINS and Then, starts Refresh

11) Pung

Pung [-t][-03 [-n wount3 [-l rize 3 [-f] [-i TTL]

Ev TOS3 [-o wount] [-s wunt3 [-s host-list]

[-k host-hit] 3 [-v tone and 3 [-s sounded]

Ec components [-p] [-p] [-43 [-6] target-name

Pung - + 172.16.81

Panging 172.16.8.1 with 32 bytes of data:

Reply from 172.16.8.1: bytes = 32 time < 1 ms TTL = 64

Reply from 172.16.8.1: bytes = 32 time < 1 ms TTL = 64

ping and satisfication and

Pung Statistics for 172.16.P.1:

Parkets: Sett = 26, Received = 26, lost =0 (090 lors),

George Petholical Fill poot - Prof C-1 was minus police

Approximate sund top times in milli-recond.

La williams and for persons in numbers

Cw briest 3 (4) (6) bugh hame

Minimum = oms, Marumin= oms, Averag = oms

15.01.50

172-1681 Henry -4 112-1681

ECKTOP - ATION

Some important live networking commands

15 up Eg: ip address show

- 1) to: < LOOPBACK, DP, LOWER\_UPS mitu 65536 ofdisc noqueme state UNKNOWN group defautt glen 1000 lunk /100pback 00:00:00:00:00:00:00 bed 00:00:00:00:00:00 inet 127.0.0.1/8 scope host to
- 2) enp250 : <NO\_CARRIER, BROAD(AST, MULTICAST, UP > notu 1500 ofder for codel state DOWN group default yen 1000 3) w/p350: <BROAD(AST, MULTI (AST, UP, LOWER\_UP) mEU 1500 9 dire noquelle state le group défault glen 1000 Mich lether du: 6a: 64:82:00 bod for ft: ft: ft: ft

2) ifconfig

6) blueboth ( Blueboth adopter number 0) enpass: flags = 4049 ZUP, BROAD(AST, MULTICAST > mtu 1500 ther 50:90:40:34:d3:65 Exqueller 1000 [Fthunet]
Rx parkets 0 types 0 (0.0 B)

lo: flogs = 73 LUP, BOORBACK, RUNNING > mtu 65536 trop Exquender 128 Suprid 0x10 Chost>

wip 350: flags = 4163 ZUP, BROAD(AST, RUNNING, MULTICAST S mtu 1500 met 172.16.11.78 relmark 255.255.252.0 booadiast ineté jeso: fifo: 66ce: 2006: 6000 profieden 64 supied

0 x 20 < history ether d4:60:60:82:(6:0b Exqueuelen 1000 (Ethoinet)

RX Aututs 32 323 bytes 3291155 (3.1 HiB)

3) mts ey: mtn google.com Purigo Paukats Wrist SDev Best Last Avy 494.5 93.9 201090 4.5 15.6 71.6 1292- 200.1 78 28.04/0 188.3 100.7 25.70 26. 1% 4) Exp dump. eg: tydump -D atobe 14- cortes state 1) wlpso [UP, Running ] 2) any (Preudo-device that captures on all iterfaces) 3) to [Up, Running, Loopback ] 4) enp20 [Up] 3) pluetooth - moniter (Bluetooth Linear Monites 6) bluetooth (Bluetooth adapter number o) 1) in flog (Linux netfilter log (NELOGI) interface) 8) réquire (Linux notfilter queux (NFQUEUE) intéface) q) unbomond (USB bus humber, 1) 10) ush mon 2 (USB bus number 2) Result: Thus, the various Network commands used in paint and Windows are successfully executed and they ortput is verified