

S.No.	Date	Title	Page No.	Teacher's Sign/ Remarks
1)	13.7.24	Study of various networking commands used in windows, linux		V.
2)	24.7.24	Study of different types of Nextwork Cablus		V 71/2
3)	31.7.74	Study of different types of Network cablus. Study the packet traces tools installation and user Interfaces - overviews		13T/2
			1	

Date: 13/07/2024 COMPUTER NETWORKS
Practical - 1
Aim: study of various Network commands used in linux
and windows.
CLANGE OF SECRED COLUMN
Basic Networking Commands:
O arp - 2 1: BE good to 0.0.0.0 1: xookball show
Interface: 1+2.16.78.201 address Type Internet address physical address 1+2.16.72.1 1-5a-16-cf-be-41 dynamic
Ho 16, 72, 133 4c-ae-as-b5-97-f3 dynamic
170 16 72 195 Ac-ae-a3-64-16-50 agrama
01.00-100-02 Stave
01-00-50-00-10
239.0.0.8 01-00-5e-00-00-08 Static
2 hostname by good words word of
OIP: DESK-TOP-COIRHTD
3 ipconfig l'au : propA: 1.0.0. tc) qor
olpania action and action
Windows IP COLBHID Host Name
primary Ins suffix:
It Routing Enabled No
Node type Hybrid
wins Proxy Enabled
Ethanut adapter Ethernut 31
medra state
Connection - Corcific DNS Supix:
Description. Intel (R) Ethernet Connection (14) Jela-1
physical Address

1:04.33 Autoconfiguration Enabled: Yes OP: nbtstat -a DESKTOP - COIBHTD Ethernot 3: Node IPAddross: [0.0.0.0] Scope Id: [7 Host show founds at dr. St. : washing earths lessely earths therens Buetooth Network Connection 2: Node IPAddress: [0.0.0.] Scope Id: [] Host not found. 00 -00 -00 -00 -00 -10 5 Netstat 00 - 52-00 - 10 Active Connections Proto Local Address Foreign Address State TCP 127.0.0.1:49678 DESKTOP-COIBHTD:49679 Establish TCP 127.0.0.1:49649 DESKTOP- LOUBHTD: 49678 (42.16.75.28 62144 20.42.73.26. may TOP 20. A2.73.26: HHPS Clax-10 172.16.75.28:62150 a23-11-215-25: HHPS close-10 TCP (6) hstookup www.google.com Olp: Server : Unknown Address (112.16,72.101) 14017 0011 Non-authoritative answer: the terrests Name: www. google.com Addresses: 2404: 6800: 4007: 81e: 2004 (1) 10-12.142, 250.183,228,1,1

Postping - g DESKTOP-COIBHID 0 P: Tracing rouse to 172.16.75.28 over maximum of 172.16.75.28 30 hops: 1 1 2 16. 45. 28 00 01 82 04 21 computing Statistics for 25 Seconds.... This Node / Link Source to Here RTT Lost/sent = pct Lost/sent = pct Address o) list ship Destrop-colento [172.16.75.28] 0/100 001. t oms 0/100 = 01/. 0/100 = 0.1. Desktop_ COIBHTD 1 10 1001 MP + [172 (16,75.28] Sugar Trace complete DATE Shuar SVII 1 Ping www. rajalakshmi, edu, in pinging www. rojalakshmi. edu. in 1162. 255.119. 2537 with 32 bytes of data: Reply from 162, 255.119, 253; bytes = 32 time = 243ms TTL= 55 Peply from 162.255.119.253: bytes = 32 time = 311ms TTL = 55 Puply from 162.255. 199.253; bytes = 32 time = 254ms 10 (1.2. d1, cr1) population : 1111 = 55 Stabistics for 162, 255, 119, 253; Ping Packets: Sent = 4, Peceived = 4, Lost = 0(0.1.Los) Approximate hourd trip times in milli- seends: millimum = 243 ms, Maximum = 317 ms, Average = 269 mg COMMENDED TO STOLL TO EAST ON

pring study (1) @ pathping - g DESKTOP-COIBHTD Tracing soude to 172.16.75.28 over maximum of 172.16.75.28 172 16. 75.128 as de of 82 08 21 computing statistics for 25 seconds.... Source to Here This Node / Link Lost/sent = pct Lost/sent = pct Address RIT HOP Destrop-col BH-D [172.16,75,28] 01100=0.1. 0/100 = 0.1. Desktop- COIBHTD t oms 0/100 = 01/. 1 15/100 + F172 (16,75.28) Dryll Trace complete 250 Pouts John John 1 ping www. rajalakshmi. edu. in Pinging www. rojalakshmi. edu. in IIb21. 255.119. 2537 worth 32 bytes of data: Reply from 162, 255.119, 253; bytes=32 time=243ms Peply from 162.255.[19.253; bytes = 32 time = 317ms TTL = 55 Peply from 162.255. 199.253: bytes = 32 time = 254ms Stabistics for 162, 255, 119, 253; Plug packets: Sent = 4, Received = 4, Lost = 0(0.1.Los), Approximate hound trip times in milli- seends. minimum = 243 ms, maximum = 317 ms, Average = 269 ms, run, promote prostraile, que edit april 2 192

9 Poute print 157# OIP: Interface List 18... 20 88 10 86 C5 61 Intel (R) Ethernot Connections I 219-LM 18 ... Ae 82 aa ta If as Microsoft wi-fi Direct vistual Adapter # 100/ Chu 100/ 100/ 100/ 100/ 100/ Ipva Poute table Active Poutes: None parts 1 0100 0110 01. Persistant Poules: None alalamas price Ipro Route Table (3) Phy www. regulareami, chis, in Active : Doubles ! why implately of course property None Persistent Poute: None 20/1/24 For linux: 15.01) and cold many 0 app -a
0 | p: goteway (172.16.8.1) at 70:50:10:0f:be:45 Ether J on enp250, and hostname olp: Ibcalhost. Localdomain if config. OP: emp250: flags = 4163 ZUP, BROFFDCAST, RUNNING, MULTICASTS mfu 1500 172.16.8.109 hutmask 255.255.252.0 broadcast 172.16:11.255 into foso: abbb; 9de4: 4c9c:

FOY dismik . prefixien 64 ecopeid 0x20 2 link > etter 190: 90: 40: 34: d4: 99 txqueuelen 1000 conernet PX Packets 2 44436 bytes 111606492 (166, 4 Mik) PX errors o dropped 31 overruns o frame o. (1) The most of the first of the same county of the same usage ip E options object (command thup) ip I-force J - botch filename where OBJECT:= f link | address | address | address | trule | neigh I stable 1 turnel 1 turnap 1 maddress 1 moute 1 monde 1 monitor 1xfrm 1 notes 1/2+p 1 fou 1 macsac 1 top- metrios / token 1 netconf / ila/vrf } 31p voute get 127-0.0.118 docal 127, 0.0.1 der la Stc 127.0.0.1 vid 1000 cache 2 bocal > - works mortsmyos is an 6 mts www. google. com olp: Proseplet my trace route = vo. 87) local host. localdomain (0.0,0.0) packets

Packets

Packets

Avg Best corst std 52 0.3 04 025.3 0.6 koops Host. Loss of 1:142.16.8.1 asque 0.0.1. (12.01.01) mis humber 249, 49, tataid c. co.in 0.01. 2. Static - 41.229. topolump - D Trick of the I see of short olp: 1, en paso EUP, Running] 2. any Pseudo-derrae that captures on all interfaces 2. WLP3 SO EUPT 4, Swetooth o (Bullrooth adapter number o) 5. (D [Loopback]

gagle. com PING google. com (142.200.67.46) 56(84) bytes of date 64 bytes from maaos s12 - in - fix + le100. not (142:250: 67.46) 1 cmp - Seq = 1 th = 120 time = 2 -39 ms ba bytes from maa 05512 - in - f14-18100, hed (142.20.6) icmp_ sea = 2 til= 120 time = 3.09 ms 1 C gagle com ping statistics 18 packets transmitted 17 received, 5.1. packet la time 17076 ms. vtt min/avg/max/mder = 2.245/15.124/18.860/5.159, Configuring an Ethernet Connection by using nondi 12 N. W. 1.0.0 FOI 2000 hmcli connection show whomas whomas NAME 24 DEVIC TYPE CTUV New 802-3- ethernet d94979 03-3015-4730- 802-3- enps 2 Correction &CCa-371ed 21928C59 etherot (10) dismables of tool love ip route show default 01P: 100 défault via 142.16.8.1 des enp250 proto 172.16.8.0122 der enposo proto Kernel Scope Who Stc 172.16,8,109 Metric 160 (3) Cat 1 etc 1 resolv. Donf Epinner, 907 03 01115. # Ornarded by Network Manager nameserver 142.16.8.1 tau7 6284100 the basic commands are restricted and in windows and while.