NAME: JANANI.J ROLL. NO: 220701097 DEPT. & SECTION: CSE-'B' SUBJECT: Computer Networks - Lab Note INDEX SIGNATURE Pg. No Date' Title S. No Basic Networking Commands 1) 28.08.24 11.9.24 Study of network cables 27 28.08.24 3) 31.09.24 CISCO Packet tracer 4) 04.09.24 Local Area Network (LAN) 07.09.24 Wheeshark 18.9.24 11.09.24 Hamming code 7) 18.09.24 Sliding Window Protocol 18.9.24 Da) 1/10/24. Virual LAN Configuration 8b) 4/0/24 configuration of wireless 9) co/co/24/ gulonetting ûn Cisco Parket Traver. 1911/24 10) 16/ 20/24 Internetvortering unique DHCP server. 11) 22 10/24 BUStatic Routing Configuration b) RIP. 12) 28/10/24 TOP/ UDP Sochets 13) 4/11/24 ping program. (4) 8/11/24 Parket Sniffeng 15) 10/4/24 Webalinger 1801 Congletel

BASIC NETWORKING COMMANDS

Study of various Networking commands used in Linux and windows.

arp-a:

Interface: 172.16.75.91 --- 0xc

Internet Address physical Address 1c-5a-1c-cf-be-41 dynamic 172.16.72.1 4c-ae-a3-65-97-f3 dynamic 172.16.72.133. 4c-ac-as-64-fc-50 dynamic 172.16.72.195 00-0e-09-86-8c-eo dynamic 172.16.72.254 dynamic 40-82-09-78-90-65 172.16.75.89 4c-82-a9-78-8d-57 dynamic 172.16.73.90 4c-82-a9-78-94-8d dynamic 172.16.75.129 ff-ff-ff-ff-ff-ff dynamie 172.16.79.255 01-00-5e-00-00-02 dynamic D2.0.2 224.0.0.22 01-00-5e-00-00-16 dynamic 224.0.0.113:10-01-00-5e-00-00-71 degramie 01-00-5e-00-00-fb dynamie 228.8.8

01-00-5e-00-00-fc dynamic

901

IUT

hormane:

239.0.0.8

KS03-97

repenting last windows 10 unfiguration HOM Hama & KROB = 99 Paimary One Suffin & Spiles has Node type : Hybrid offer Promy evalued : 10 ethernot adopted ethernoly Mediai state: modice discovere staid Connection-specific DNS suffic. Donagtion: Sutal (8) athernal connection Physical Address: 20-22-10-26-26once evalled : yes Autoconfiguration Enabled: yes.

rutidat:

Proto local Addms freign Addms 21 21.

TCP 127.0.0.1:49671 K202-91:49672 edablished

TCP 172.16.75.91:50488 0.23-11-215-66:14ps close
TCP 172.16.75.91:50726 123:144p time
TCP 172.16.75.91:50949 172.16.1483 syn
m8-do sent

rslook up:

défault server : interoton

Adduss: 172. 16.8.1

Server: www. google.com

Addurss: 2404; 6800: 4007: 812: :2004

142.258.183.228

nostat -a: w < que - a sual. NBTSTAT [[-a Remote Name] [-A IP address][-c] [-h] [-r] [-R] [-RR] [-s] [-s] [interval]

Remote Name Remote host machine name IP vaddiers Dotted decimal representation of the IP address.

Interval Redisplays selected istatistics, pousing interval seronds between each display.

Visage: pathing [-g host-list] [-h maseimum-hops] [-i address] [-h] [-p period] [-q num-qui [-w timeout] [-4] [-6] target_name.

Orage: Ping [-t][-a][-n count] [-l size][-f] [-i TTL] [-v TOS] [-r count] [-s count] [[-j host-list] [[-k-host-list]] [-w timeout] [-R] [-S Socaddor] [-c compartment] [-P] [-4] [-6] target-name.

Route [-1] [-P] [-4]-6] command [destination] Route: [Mark netmark] [gateway] [Metric metric] [4. integace] : dosd : purc : asmant po do: < loopback, up, lower-up> mtu 65536 gdisc noqueue state unknown group defautt glen 1000 link / loopback 00:00:00:00:00:00 bid enp280: flags = 4163 LUP, BROAD CAST, RUNNING, MULTICAST) mtu 1500 inet 172.16.8.92 met mark 255.255.252.0 Droad cast 172.16.11.255 inett je 80 : : bc77:296:9000:3863 prefix len 64 scope id 0x20 (link) ether 50:90:40:85:00: f5 toguelen 1000 (ethernet) mage: Bing [t][a mthe google com Prings last Aug best west stow 110 - 612 02 0.4 0.4 0.0 7. 110 18/8 2168 VBQ: 8 107.5 19.9 2.142.250.172.0.07. 110

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ping google.com Ring google. com . (142.250.182.14) 56 (84) bytes of 64 lytes from maa 058/8-in-f14. le 100. net (142.250.182.14): imp-seg=1 ttl=120 time=351 ms 64 loytes from maa05 318 - in - f14. le 100. net (142.250-182.14): iemp_seq = 2 ttl=120 time=3.33ms 1) which command is used to find the seachabile of a host machine from your device? ping (hostname or IP address) 2) weich command will be given the debits of hops taken by a packet to seach its destination? traceroute (destination) 3) which commands displays the in configuration g your machine. 4) Which command display the TCP part status iplonfig in your marline? net stat-ano 5) weste the modify the ip configuration in a linux nachene. Thus, the study of various network commands used in Linux & windows was done ususesfully.