Bractical - 1

AIM: study of various Network commands used in Linux and windows:

basic networking commands.

· orp_a

Interface: 192.168.1.2

туре Internet address Physical address dynamic 00-14-22-01-23-45 192.168.1.1 dynamic 192.168.1.3 00-15-23-41-63-72

· hastrame:

"Hukeoho-Macbook-Air. local

· ipeontig/all

hostname ...: mukeohs-macbook-Air. local primary. Dro suffix: mydernain: local

modeType: Hybrid

If Routing enabled ...: NO

WINS Broscy Enabled : NO

Dris suffix isearch List ...: my domain local

themet adapter ethernet:

description: Intel(R) Ethernef connection

IPV4 address: 66+ V8-1570-48 LAKOTT 192.168.1.2

defaut getoney: . 192.168.1.1

DWS wower: 192.166.1.1.

· Nbstat _a

Local were connection

Node Ipaddress: [192.168.1.2] : Scope Id: []

NetBIOS Remote Machine Name Table

name Type status

mycomputer Kosy UNIGE Registered

workgroup LOOY GROUP Registered

MAR address = 00-15-56-41-60-70

· netstet:

Active connections:

Broto local address Fareign Address state
TCP 192.168.1.2:5000 192.168.1.3:85 ISTABLISED

TCP 192. 168. 1.2: 5001 192. 168.1.4:443 TIME JAHIT

· Nolookup:

address: 192.166.1.1

name: www.gogle.com. address: 142.250.72.196

Pinging www. beekook. com [157-240.22.35] with 82 bytes & data.

Reply from 157. 240.22.35: bytes=32 (ime=20mo TTL=52)
Reply from 157. 240.22.35: bytes=32 (ime=20mo TTL=52)

Ping Matioticus for 157.240.22.35

Pachets: usent = 4, Recived = 4, Last = 0

approximate bround trip times in milli-seconds

minimum = 20ms, maximum = 22ms awerege = 20ms

· Ruthping: Trowing route 60 www. google.com [142.250.072.196] over a maximum of 30 hops: o mycomputer. mydomain. local [192.168.1.2] 192 - 168 - 1.1 1 2 10.0.0.1 computing statistics for 75 seconds HOP RTT Cont/sent=PCT Cost/sent=PCT address 2 Imb 9/100=07. 0/100=07. 10.0.0.1 · Route print: Interface list and selection 12...00 15 Sch 46 6E 7d... IntelCR) ethornet connection IPV4 Route Table active Routes: network destination netmask gaterray Interfere e 0.0.0.0 192.168.1.1 192.168.1.2 0.0.0.0 me touch Linux commands: · Route: Kernal IP stouting Table doctination gatavay gennask Floo metric Ref deboult 192.168.1.1 0.0.0.0 06 100 0 was iface 0 enpoo3 Simul for suturiday & student observation: 1) which command is used to smal the treachability of a host machine from your device? ans: ping.

2) which command will be give one ano: stracent www.google.com 2) display the IP configurations ans: ipanting 4) command to display the TCP part astedus we: netwat 5) commands to modify the 1P configuration. ano: ip address add 192.168.1.100/24 der etho o ip address del · ip · link set etho up · ip link bet etho down · ip noute odd default Repult: Thus, the study of various network commands used in linear and windows is successfully executed and studyest estudied. Deurs 1/8/m