Practical 1

AIM: - Study of various network commands used in Linux and windows

BASIC NETWORKING COMMANDS

1. arp-a

Interfore: 192.168.11.1 --- 0x7

Internet Address

Physical Addres

Type

192.16 8. 11. 255

ff-fp-ff-ff-ff-ff Static

724.0.0.2

01-00-50-00-00-02

Statie

224.0.0.22

01-00-5e-00-00-16 Statie

1231 151 when

232.255, 255, 250

01-00-5c-7f-fe-fa

statie 12

2. host name

PESKT OF - TR3BIBE

3. ipconfig 8/all

Windows (P Configuration

Mans will got com Addung 1. 24 au 1 6327, 4007 1 810 11 2004

142 250.133.223

Primary Pus Suffice in the send gid pringed by good

A con- anth or . taking amoust : .

Node Type ... IP Routing Enabled ... [149brid]

WINS Proxy Evided No

4. Whitstat -a

s pur q' localtron

Displays protocol statis bics and current TCP/1P Connections asing NBT

Pirasistic de 1:15

Cool to but you will you have to be it is all the type oriente from I comp lives on willi-

Interface List 15... 50 9 a 4c 35 12 2c ... Realtek PCTe C6te Family 17 ... dy 6a 6a 82 cy 25 ... Pell wirders 1707 802. 46/0/4 10...16 6 a 6 a 82 CH 25 ... Michosoft Wi-Fi Diet C2 4 Gaz Vistual BAopter 16... 26 6a 6a 62 cy 25... Microsoft Wi-Fi Dien. virtual Attopla # 2 7 ... 00 50 56 c0 00 01 -- Vrune Virtual thornes Adapte for VM rules 11... 00 50 56 co 00 08 ... Vnave virtual othernat Asapte for unrule 1 ... Software Loopback Interpret

6. uslook up www. google.com

Stoserra: unknown

Address: 172.16.8.1

Non-authoritative answer:

Name: www. google.com

Addresses: 2404: 6800: 4007 x 81c 1: 2004

142.250.183.228 modernjet soj at alemoin

7. pathping

Usage: path ping [-g host-list] [-h maximum-hops] [-is address] [-a] [-p period] [-2 pm - guran] [-u timeout] [-4] [-6] barget inance

8. ping localhort

Pinging DESKTOP- 5R3B 7BE [1:1] with 32 bytes of that: Reply from :: 1: bine (Ims

Ping statistics for :: 1,

Prelects: Sent 4, Received =4, Lost =0 (ox. 2000).

Approximate found brip times in will - seconds:

Minimum = omo Mosi mum = ono Average = ons

areas I to the

Dr. 13 Sep. onto

4. Entertant . of

PESKI OF - SK BBIBE

Mod Name

pranipulates wet work routing bubbs.

Soa

Some Important lines vetwalking Commands

1. Et ip address show

lo: LLOOPBACK, UP, LOWER-UP > ntu 65336 q dióc
no queue thate UNKNOWN group default glen 1000

link/loopback 00:00:00:00:00 brd 00:00:00:00:00

web 127.0.0.1/8 scope hox do

valid-eft for eves preferred left for ever

inet 6:11/128 scope hoxt

valid-lft per ever preferred left for ever

2 ij conjig

lo: glate =>3 CUP, LOOK BACK, RUPNING > mtn 65536 inet 127.0.0.1 net mast 255.0.0.0

inet 6:!! prejislen 128 scope id 0 =10 Chrosts (
loop to menter 1000 (Local Loop tack)

TX corres 0 supplied 0 derrum 0 corries 0

3. mts google. con

My trouvat (10,87)

local boot . local domin (0.0,0.0)

lup: welp no paynde nestart Order quit

Utust paclets
horr. Suit Suit last Ang Best
1.172.16.28.1

2.142.250.171,.162

0.07. 117 3.5 36 3.2

3.216.239.54.197

0.07. 117 4.3 3.2 2.6

4. ping gode gogle. con PINC grople. con (216.58. 200. (42) 56 (34) bytes of some 64 bytes from man 05, 10 in A14. Do 100. net (216.58.200. lues : icmp - 42 = 1 + ble= 120 bino = 3.38 no Che byte from war 05 s10 - in - Aly . Cadoo o. ret Cirb. 53, 200. 140 ! icup. 8g= RZ bld = 120 time = 3. 61 ns

Student Observation

1. thick command is are

- 1. ping chostnames
- 2. Exaceronte Chost names
- 3. ip config if config
- 4. net start

= DE = UP, LUOK BACK, FROM MO SANGE 61550 ME 127 C1 Fresh W. 255 6. C D

6 11 prepared 1713 people of 0-10-6 hours

to a grander 1000 (Lond Log exce)

the growing product

come a support a charmen of extends a

My troncatent (10,000)

at host foul derine; for 0.00

was speak in

lady responds the was were free

Linux and Windows trave been studied.