2.

3.

4

Network Commands und in Windows and Linux

Type

Dynamic

Dynamic

Demanic

c: Usous | Rec| > oup-a 1.

Interface: 172.16.8.98 ___ ONB

internet Address Physical Address

142.16.8.1 70-8a-10-cf-be-45

142.16.8.8 d4-3d-re-ad-2f-ff 142.16.8.31 d4-3d-7e-ad-43-73

C: Uxus (Rec > hostname

Desktop - INOISLT C: Users (Rec) apconfig tall

Hostname....: Desktop_INOISLT

windows IP Configuration

Wireles LAN Adapter Wife: Media State : Media Disconneted

Media State Media Disconnected

Numbers LAN adapter Local area correction of q.

Ethernet adapter Sthemet:

Ethunet adapter vin ware Network adapter vinnel!

Description : VM wave Virtual Ethernet dapterfor

rmnet 1

E: were | Rec > hotestat-a

Displays protococs statistics and current TCP/19

NOTSTAT [Fa Remoterance] [-AIPaddowns] [-C] [-R]
[-R] [-S] [-S] [interval]

c: (usus Rec) net stat

5.

6.

7.

8.

State Active Connections foreign Addurs socal address Proto Established 8a-in-+188: 5288 142.16.8.98:42881 TCP doss-wait 8a-in-f100 : Https 172.16.8,98; 42688 TCP mades 841 - in fex: https close-wad 172.16.8.98:42690 TCP

c: luxurs (Rec > nsbotap www. rajalakshmi. edu.in

Luver: unknown

Address: 172.16.8.1

Non-authoritative answer:

Name: www. rajalakshmi.ed.in

Addresses: 162.255,119,253

182, 185, 184, 183

e: luxus/Recs pathping

-9 hostlik boose source soute along host-list

-h maximum hops Maximum number of hops to sirch

- i godours / use the specified source address.

A force using 1Pra

c: larves (Rec) ping

- a verouse address to hardrames

-n court number of echo suquests to send

-thise rend bugger size.

· † Let dont fragment flag in packet (1944-only)

C: Onces / Rec > soute

- of ideas the routing takes of all gaturay entrus

. p when used with add command, makes south pourishen accesses the regilem.

command

point points a soute

add adds a soull

Delite Delite a soute

Mask specified that the next parameter is the

gattway specifies gaturay.

Metric expection the metric

Linux Networking Commands

181. cpl states shows qui is

THEY GOOD WILL

if address show

I rout@localhost student I # up address show

- 1, do & doopback, updower_up) note 65536 gdisc noqueu state unknown group defaut gren 1000
- 2. enp280: 2 bradeast, nulticast, up, lower up the 1700 qualise fq. coolel state Up group defaut que 1000
- 3. w1p380; 2 broad cast, multicart) mou (500 april c novp state obsion group defaut april 1000

ip address add

ipaddrun add 192.168.1.254/24 der enp280

up address delete

ip adduce del 192.168.1254124 der enp280

ûp dink set up th ûp dink set do up ûp dink set down

the wink well do down in which well do promise on

ip soute add default

ip south add default ria 192.168.1.2 54 du onpesse dad default through gateway

h 200

sip soute add 192.168.1.0124 ria 192.168.1.254

\$ up, add 192.168.1.0124 dev enp280

Delete rowle through gateway

up soute delete 192.168.1.0 (24 ria 192.168.1.2 54

Display vonte for IP

I sip soule get 10.10.144 / recommendations as .

10.10.1.4 ria 172.16.8.1 dev ep 250 550

2. Configue dus feb good mondo dos good

8. mtt

Mtr google.com

1.172.16.81

8tatustic 41.229.49

142.251.27

Mtr-b

mtr-b google.com

focalhoxt.clocaldomais (0.1.0.0)

14.2.16.8.1

142.250.141.162

tepdump -D

1, enposo I up, ourning

2. wips so [up ourning]

8. any (proudo device that captains interfacis)

H. lo Iup, surring]

topdump - i enp 250 8rc host v.1.1.

topolump, - vv for full protocol olecools historing on enp200, link-type ENIOMS Capters size 262.144 bytes.

pung c # pung - C 10 google.com How byter from maa'or 810-in-fix -100 net (216.58'.200.142) ucmp 8eq - 2 tcl = 120

Othernet Connection Using modi

world wond

north show

. 8how

Inmeli connection thow

ue Jankum Avax

New 802-3- ethernet connection 10 45 blce -1 899-4248-8649

modify 802-8-ethernet enpero

IND. HY OF COLLO CPI SHO HYGE WAS

et noncli connection add con-name New 802-3-ethernet connection "if name enpreso type ethernet

Successfully cololed.

3. Miname

noull connection modify" New 802 a ethernel connection Connection in tesface-name auto

I nouti connection modify "New 802-3-ethant connection connection, autoconnect yes

4. Current settings

nouli show "New 802-8-ethernet connection". Connection, intriface-name enposo

interface name: enp250

type: ethernet

autoconnect; yes

noncli show "New 802-3 ethernet connection".

id: "New 802"

cuid: 25 ft 1095-370e 42d5

type: ethernet

cuitocornect yls

nmai show "New" 1944. method auto nmali show "New 802" 1946. method auto

5. 1 pv4 rettings

nmeli modify "New 802. " ipro, method auto nmeli modify 'New 802. " ipro, metho

noncli connection modify "New 802" ppy method manual (p4: addresses 192.0.2.1/124 úpv4. gaturay

6. iproxettergs

hmcli connecteon modify "New 802" 1pv6. method au

promoti connection modify "New 802" ipro. method manual (pro. addresses 2001; db8:1: \$6fe | 64 ipro.

gaturary 200: ab8:1: : #fe ipro. dn8 2001: db8:1: ffb
ipro. dn8: search example.com.

7. Activate profile

verification

ed lessings sally

enpeso Lbsoadcart, multicart, up, lower_ups mtu 1500 galisc fg-codel state alganet gen 1000

default via 172.16.8.1 du enpero protostatic metric 100 142.16.8.0122 der enpero kurel 8. 4 úp-6 route 8how default

pung google.com (140.250.182.46) \$6(4) bytes of

dato 64 bytes from moaos 819-in-fix-1000, net 1142.200.18.46): icmp_8eq=1 ttl=60 time 3.14 ms

cotigoig & de a consmissão

dements area