Brachled-I

Windows Commande

Orp-a

Interface: 192.168.1.126 --- Ox

192.168.1.1 00-eb-d8-cb-9a-5d dynamic
192.168.1.66 c0-35-32-24-65-07 dynamic
192.168.1.255 H-H-H-H-H-H-H Static
224.0.0.22 01-00-5e-00-00-16 static

heitrame

LAPTOP-MMLRRF18

hbtstat -a

Displays protosol statestis and current TCP/IP connections using NBT (NetBIOS over TCP/IP)

NBT STAT [[-a Romote Name][-A IP addreck][-c][-n]
[-91][-R][-RR][-s][-9][interval]]

ipconfig lass

Window IP Configuration
Heat Name
Pournary DMs Suppor
Note Type

Worles LAN adapter Wi-Fi2:

Media Stake Description Physical Address Witheless LAN adapter Wi-Fi 4:

Media State
Description
Physical address

Wideless IAN adapter Wi-Fi:

Dawuplion Physical Address DHCP Enabled

Ethernet adapter Bluetooth Network Connection:

Medra State Dosvription Physical Address

netglat

Active Connections

Proto Local Address Foreign Address State Tep 127.0.0.1: 49679 LAPTOP-MMLRRFIB: 49680 ESTABLISHED Tep 127.00.1:49688 LAPTOP-MMLRRFI8:49679 ESTABLISHED TCP 192.168.1.126:53492 a104-86-188-120: httpg CLOSE-WAIT

helookup

Default Server: Unknown

Address: 192.168.1.1

```
pathpung
Usage: pathping [-g host-bost] [-h manihum_hope] [-raddress] [-n]
               [-p ported] [-a num_queries] [-w time tout]
               [4] [-6] taget_name
      pathping geogle.ion
     Tracing hours to georgle.com [142.251.222.206]
     over a maximum of 30 hops:
          LAPTOP -MMLRRFIS [192.168.1.126]
         192. [68.1.]
             10.209.0.1
 ping
ping twitter com
Pinging twitter. com [162.159.140.229] with 32 bytes of data:
Reply from 162.159.140.229: bytes=32 time=4me TTL:58
Ping statutily for 162.159.140.229:
    Packela: Sent-4, Recoved=4, Lost 0 (01-loss)
```

route

Manipulates network trouting tables

ROUTE [-1] [-p] [-41-6] command [deathbation]

[Mask netmack] [galeway] [METRIC melsus] [IF interface]

ip address show

1:10: 2 LOOPBACK, UP, LOWER_UP > mtu 65536 graise noqueue steite UNKNOWN group default grentoso

2: enpossif6: < No-carrier, Broadcast, Multicast, UP> mtu 1500 grave default glen 1000

3: w/p280: ZBROADCART, MULTICART, UP, LOWER_UP>mtu 1500 grave haqueur state UP group default gran 1000

Sudo ip address add 192.168.1.254/24 dev Wlp280 ip addr show dev wlp280

3: WIPZEO: < BROADCAST, MULTICAST, UP. LOWER_UP > mtu 1500 optiac no queue state UP group default opten 1000

inet 192.168.1.254/24 slape global wlp200 Valid. If forever preferred. If forever

Sudo ip artidress del 192.168.1.254/24 dev wlp200
IP actor show dev wlp200
3: wlp2e0: < BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 grave default gien 1000

stude up link set wilpzeo up up addr show dev wilpzeo up

3: WIPZEO: ¿BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 grable naquelle state UP

Man religion [[quies

Sude if link set wipes down

3: wipes: < Broadcast, MULTICAST; WARMINDWERTHAM mite 1500 grade nequeue state

DOWN group default gren 1000

Sudo ip link set who zer promise on 3: who zero: < BROADCAST, MULTICAST, PROMISE, UP, LOWER_UP > mk. 1500 gallse noquene shate UP group deposit given 1000

Side ip houte add default via 192.168.1.254 dev wip280 ip noute show default via 172.16.75.130 dev wip280 default via 172.16.75.130 dev wip280 prolo statie melsue 600 192.168.1.0/24 dev wip280 prolo sonnel supe link on 192.168.1.254

Sudo ip route add 192.168.1.0/24 via 192.168.1.254 RTNETLINK answers: Ale exists

State ip stante add 192.168.1.0/24 dev whose ip stante whom default via 172.16.72.1 dev whose pouts static melonic boo 192.168.1.0/24 dev whose stape link

10.10.1.4 Via 172.16.72.1 dev W1p280 snc 172.16.75.130 Wil 1000 Cache

if config: Command used to view or configure network interfaces. Shows details like IP address, MAC address and interface status.

handyou studies 6

toposaj6: flags=40992 up,BROADCAST, MULTICAST> mtu 1500
lo: flags=73 2 up, Loopback, Running>mtu 65536
who200: flags=4163 2 up, BROADCAST, RUNNING, MULTICAST> mtu 1500

Intr.: A network diagnostic tool that combines the functions of ping and tracerrouse, showing the path and performance of packets.

mts google.com

My traceroute [vo.95]

Host							
1gateway				Alg 9.2			
2. 142. 250. 171.162	0,01	4	11.5	103.3	4.8	391.5	192.2

Packet analyzer used to capture and display network traggic going through the system's interfaces.

topdump - D: Lists all available network interfaces on the system [wb280 [Up, Running, Wirders, Associated]

2. any

11 Mque que (Linux netfiter queue (NFQVEVE) interface) [nove]

te polying i wlp 200: Harts captiving packets from mentioned interface. topolump-i w/p280-c2: Captures 2 packels from given interface.

shapped pouls to topdump

topdump: verbose output suppressed

Listening on Wb290, link-type ENIOMB (Ethernet), snapshot length 262144 bytes

01:46:09.840280 IP ntp6.mum-in_hasks.301-maved.de.ntp

01:46:09.915248 IP felora, 32956>galeway.domain. 21489+PTR? 2 packels captured

Captive traffe to and from one host

Sudo topdump -1 wip200 -c 2 hast 8.8.8.8 drapped prince to topdump topdump: vorbase output suppressed listening on wip200, 23:13:40.803057 IP 10de200, and apple 1 cmp.

23:13:40. \$63057 IP federa > dns. geogle: ICMP echo Hoguert
23:13:41.046899 IP dns. geogle > federa: ICMP echo Haply

Braffie coming from 8.8.8.8

Sudo tepdump - i wlp200 Drc hast 8.8.8.8

drapped priviles to tepdump

tepdump: Verbase output suppressed

listening on wlp200

23:21:22.453708 17 dne.google > federa: ICMP echo suply

Traffic going to 8.8.8.8

Sudo topolump -1 wlp280 det hast 8.8.8.8

23.22.26.469233 IP fedora > dne geogle: ICMP etho Iroquest

Capture traffa to and from a network

8ude tepdump - i Wlp 280 net 10.1.0.0 mark 255.255.255.0 tepdump: Verbere output suppressed listening on wlp 280, 11:21:23.696721 IP 172.25.141.91 > 10.1.0.0: IMP euro request

topdump -1 etho pord 53

ping: A tool that sends ICMP echo requests to a hast to check of its reachable and measure response the.

Pling google. com

PING google.com (142.251.222.206) 56(84) byter by data.
64 bytes from hkgc7855-in-fl4.lelceret (142.251.222.206): iump-degr=1

- 1. Which command is used find the reachability of a host mathine from your device?
- 2. Which command will give the details of hops taken by a packet to reach its destribution.
- 3. Which command displays the TCP port status in your machine?
- 4 Which command displays the ip config of machine?
- 5. Whate the modify is configuration in a linux machine? Use it address add on its route add

Result:

The windows and linus commands were executed successfully.

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