

Ex: 1
16.7.25

Study of various network commands using Linux and Windows

① arp -a

O/p

Interface: 172.16.10.46 --- 0x4

Internet address	Physical address	Type
172.16.8.1	7C-5A-1C-CF-BE-45	dynamic

② hostname

- Pop

③ ip config all

O/p windows IP configuration

Host name - . . . : Pop

Ethernet adaptor ethernet

Description Intel(R) Ethernet connection 2/4-v

Physical address - : D8-BB-C1-C5-CC-20

④ nbtstat -a

Displays protocol statistics and current TCP/IP connections using NBT

⑤ netstat

Active connections

Proto	local address	foreign address	State
TCP	172.16.10.46.49683	4.2.13.25.210.https	ESTABLISHED
TCP	172.16.10.46.49684	923.202.229.22.https	CLOSED

⑥ netstat -r

Interface List

4....d8 .bb1c5a20 Intel(R) Ethernet connect

14....08 002700 00 0c... Virtual box host only

⑦ pathping (tracert) -mtr

usage: pathping [-g host -list] [-hmax -hopx]

[-address]

[p period] [-queen -queries] [-w timeout]

[target - name]

⑧ Ping

usage: ping [-t] [-a] [-n count] [-l size] [-f] [-i ttl]

⑨ -route

Manipulates network routing tables

ROUTE [-f] [-p] [4] [6] Command [destination]

⑩ lookup

Default server: unknown

address : 172.16.8.1

Result:

The commands are executed successfully.