

Ex:,
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 I2/9-V

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

④ nbtstat -a

Displays protocol statistics and current TCP/IP
connections using NBT

⑤ netstat

Active connections

Proto	localaddress	foreign address	State
TCP	172.16.0.46.49683	4.2.13.25.210:https	ESTABLISHED
TCP	172.16.10.46.49.694	923.202.229.22:https	CLOSED

⑥ netstat -r

Interface List

4....d8

bb01cesa20 ... Intel (R) Ethernet connect

14....08

002700 00 0c... Virtual box host only

⑦ pathping (traceroute) -mtr

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

[-address]

[fp 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 castles

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

⑩ lookup

Default server: unknown

address : 172.16.8.1

✓/✓

Result:

The commands are executed successfully.