

LAB 1

Q1: explain how to get the private IP?

Q2: What is the difference between ipconfig & ipconfig/all?

Q3: explain how to get the public IP?

Q4: What is the difference between public ip & private ip?

Q5: How does the device get its IP?

Q6: Make your device get its private IP statically

Q7: Reset your device to get its private IP automatically

Q8: What do you know about APIPA Address ?

Q9: Give me 2 ways to find out your device's MAC address.

Q10: What is the difference between getmac & getmac/v ?

Q11: How can you request a new IP from a DHCP server?

Q12: Explain what you understand about ARP protocol?

Q13. How do we view the contents of the ARP cache?

Q14. How do we delete the ARP cache?

Q15. How do we view the local routing table?

Q16. Can you tell me which command that could check connectivity between 2 devices? And then:

- a) check connectivity of your loopback IP address "127.0.0.1" .
- b) How many packets are sent to check availability?
- c) How many packages did your device receive? What does this mean?
- d) Check connectivity between your device and this IP "10.10.0.10". then explain the result

Q17. Verify the connectivity of the loopback IP address "127.0.0.1" by sending "8" packets which the size of each packet is "50000".

Q18. Explain what is the meaning of this command: **"ping 127.0.0.1 -t "**

Q19. What is the meaning of " DOS Attack" ?

TASK: After completing the virtualization chapter, create 2 virtual machine using windows 10 iso