Network Systems Administration

Report 2

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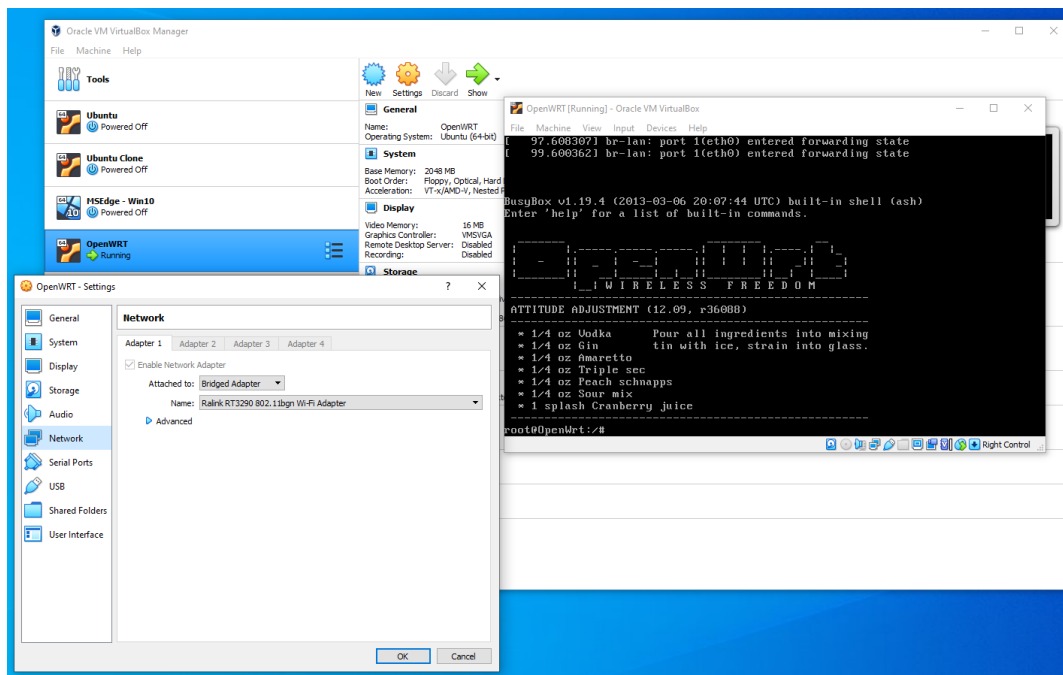
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A. Completed Tasks

1- OpenWRT installation with bridge connection on the VirtualBox.

B. Questions and Answers

Q1- Can network layers be associated with working network devices?

A1- Yes. For example, in TCP/IP, switch is a device that works in Data Link Layer. Because they can detect MAC addresses defined in the 2nd layer. They can only send the data packet coming from a port to the required port (because it knows the MAC address of the machine on that port).

Q2- In what layers of the model does the internet work NAT?

A2- NAT works at Layer 3(Network Layer) because it is modifying the IP header.

Q3- What type of NAT (NAT, PAT, SNAT etc.) is implemented in VirtualBox?

A3-NAT and NAT Network

Q4- Consider how to configure the network to have access to channel management independent (only for admin) from the public channel intended for production (public or private user access).

A5- How to configure the network to have access to channel only for admin from the public channel intended for public or private user access?

A6- IP limitation or authority definition can be made