



Network Lab Documentation

Objective

The purpose of this lab was to establish a local network environment using VirtualBox on Kali Linux. Key activities included creating users, configuring permissions, and validating connectivity between virtual machines.

Setup

- VirtualBox with Kali Linux virtual machines (two instances)

Tools

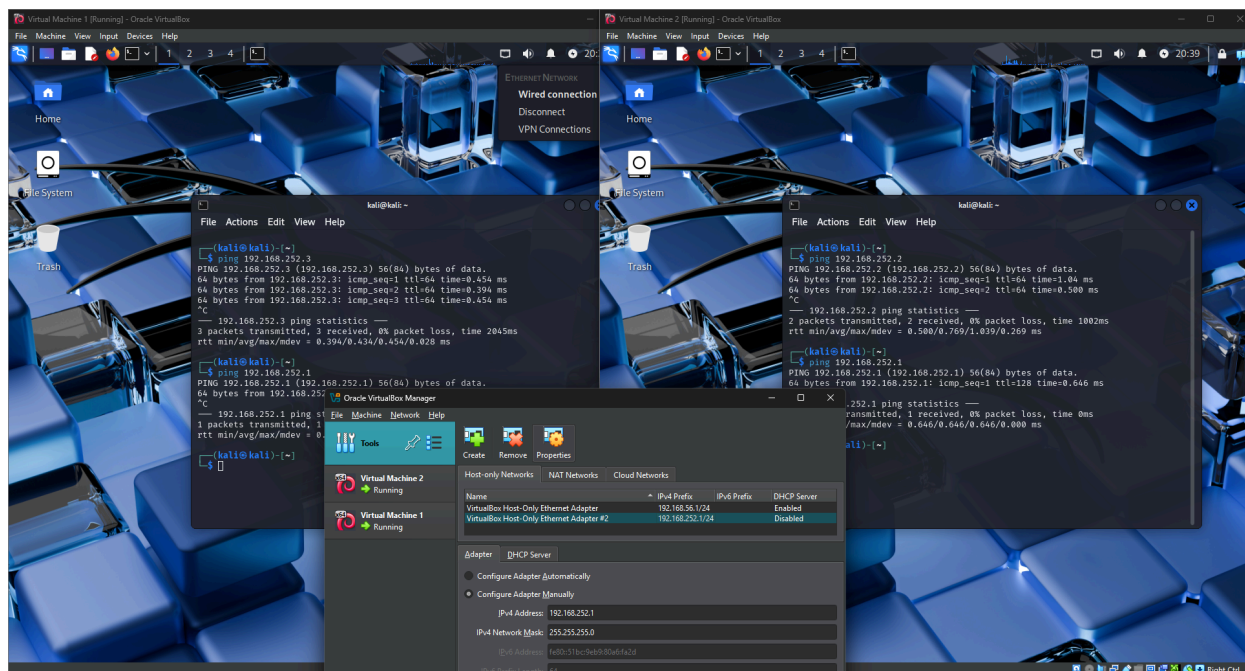
- Basic networking setup with manual IP configuration

Steps

Network Configuration

1. Created a copy of the existing Kali Linux virtual machine to have two instances for the lab.
2. Changed the network connection of both machines to "Host-only adapter" in VirtualBox settings. This isolates the machines in a local network environment.
3. Created a new host-only network through VirtualBox's Network Manager. The DHCP option was disabled to allow manual IP address configuration.
4. Configured local IP addresses for both machines within the virtual network settings.
5. Tested network connectivity by pinging between the two virtual machines to ensure successful communication.

ScreenShot



BONUS

I've also set up a similar network connection on cisco packet tracer. Manual configured IPs and ping test works as well. That file will also be attached in the repo.