

GUIDE FOR INSTALLATION AND CONFIGURATION PFSense

introduction

This guide provides a comprehensive walkthrough for installing and configuring pfSense, a robust open-source firewall and router platform, using VMware, a leading virtualization software. By following this step-by-step guide, you'll learn how to set up a virtual environment, deploy pfSense, and configure its core features to enhance network security and management. Whether you're a beginner or an experienced user, this guide aims to make the process straightforward and efficient.

Requirement:

- 1.All the colleges should have Virtual Machine (VMWARE...) installed in there personal computers.
- 2.Installing Pfsense Iso file from the official web site.(we will provide a tutorial how to do that).
- 3.Configuring and Setting up Pfsense.
- 4.Installing a virtual machine of your choice ubuntu,windows... to create a virtual network

What is the goal of the presentation:

We will create a virtual network using virtual machines, all connected through pfSense. pfSense will act as a gateway, linking our virtual LAN to the WAN network. This setup will allow us to monitor network traffic, manage and filter packets, and implement security rules to safeguard the LAN. By doing so, we can control access, enhance security, and gain insights into network activity.

NOTE:

- 1.you cant install and configure pfsense and the vmware during the lecture because of the connection problems
- 2.If you have any qestions feel free to ask.