

# My Simple Networking Linux Guide

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## 1 Introduction

In the following guide, you will learn how to set up, a simple connection between two linux machines.

## 2 Software Used

For this project the following external software are going to be used:

- Oracle VM VirtualBox Manager
- Arch Linux
- OpenSSH
- ...

This guide is not going to go into detail, on how to install the software “Oracle VM Virtual Box Manager”. As the ability to install this is less than the minimum requirement to understand this guide.

## 3 Creating the Virtual Machines

After you open up “Oracle VM Virtual Box Manager”, create two new virtual machines, for this you will need an Arch Linux ISO file, which you can download from the Arch Linux website. Once you have the ISO file, you can just press the Control and N key simultaneously or click the Star button. Here you will need to Name your virtual, locate and select the Arch Linux ISO file you downloaded and press continue. Afterwards you can leave everything on the default settings. The only specification that you will need to change is the RAM and in case you want to limit the storage space used, the storage space of your virtual machine, each of your virtual machines, should have at-least the following specifications:

- 2 Gigabytes of RAM
- 40 Gigabytes of storage space, in case of static storage

## 4 Installing the Arch Linux operation system

After



- 5 Setting up a Secure Shell using Open SSH
- 6 Setting up a virtual private network using Open VPN
- 7 Service
- 8 Setting up the firewall