

# Lab Setup

## 1 VIRTUAL BOX

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Lab computers at D201 should already have VirtualBox installed.

If you are setting up VirtualBox on your own machine, [Download and Install VirtualBox](#).

## 2 DOWNLOADING REQUIRED VIRTUAL MACHINES

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There are primarily two pre-built Virtual Machines we will be using.

[SEED Labs VM – Ubuntu 16.04](#) (32 bit)

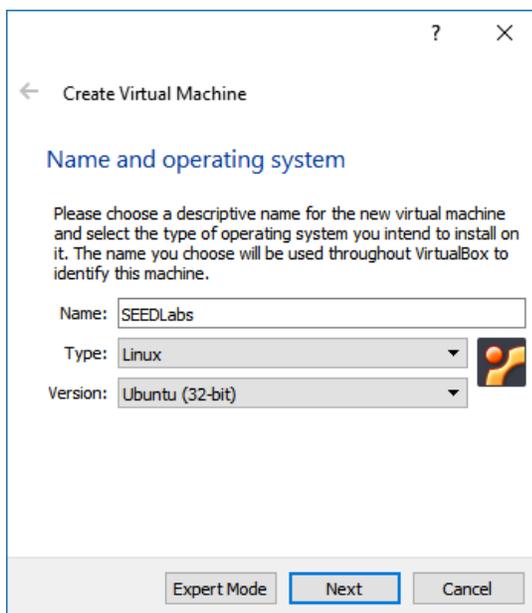
[Metasploitable 2 – Intentionally vulnerable Linux machine](#) (64 bit)

Download both ZIP archives and extract their contents to a directory. These archives contains large VMDK files. These files are virtual machine disks that have preconfigured operating systems installed on them.

## 3 SETTING UP VIRTUAL MACHINES

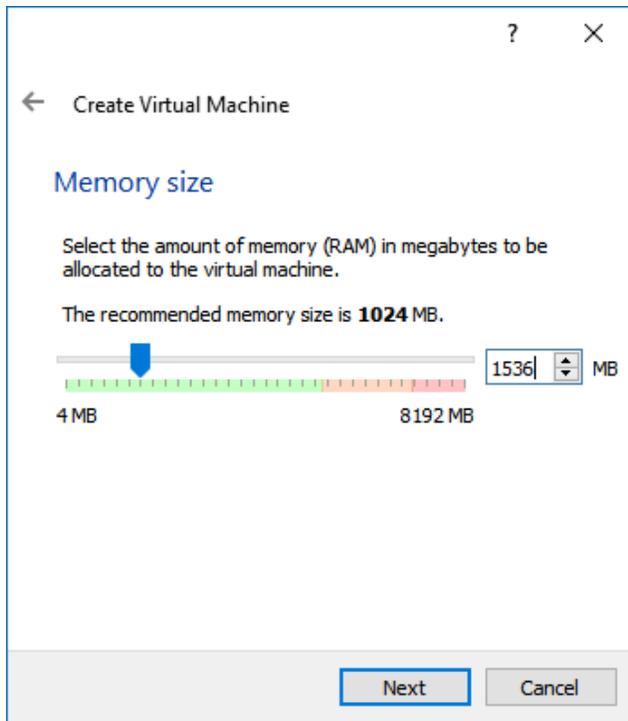
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Open VirtualBox, Click **New**.



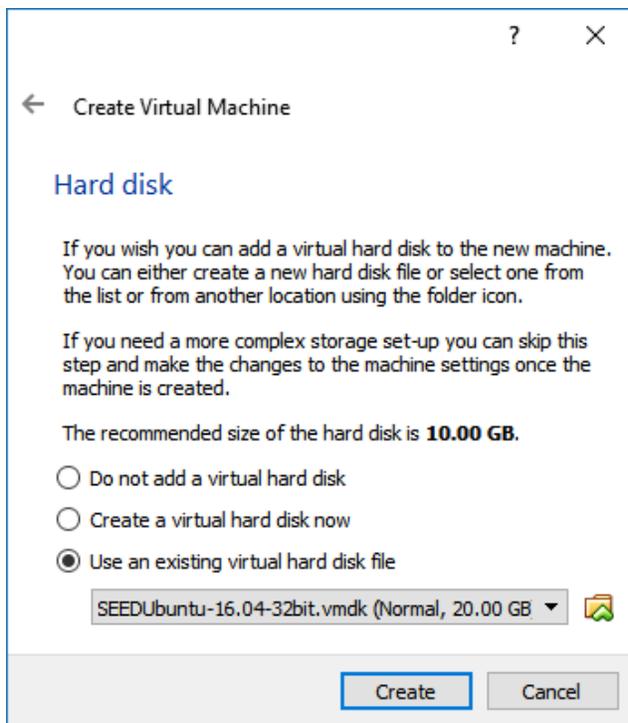
For SEED Labs VM select type as **Linux** and Version as **Ubuntu 32 Bit**.

For Metasploitable VM select type **Linux** and Version as **Ubuntu 64 Bit**.



For SEED Labs VM allocate more than 1500+ MB for RAM.

For Metasploitable VM 512 MB RAM should be enough.

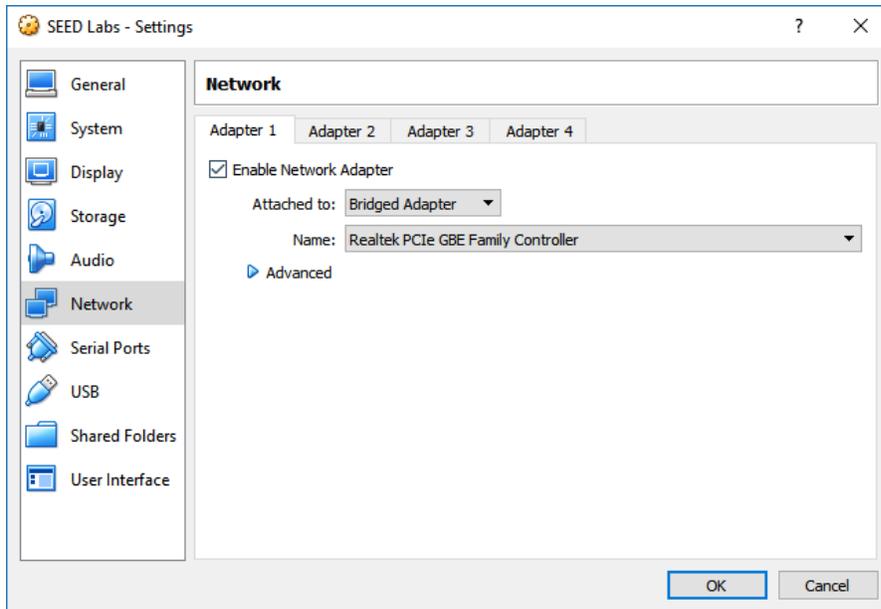


For Hard disk, select the VMDK files you extracted from archives and hit create.

This should create a new VM almost ready for use.

## 4 SETTING UP NETWORK

Select the newly created VM and open **Settings**, in Settings navigate to **Network** settings.

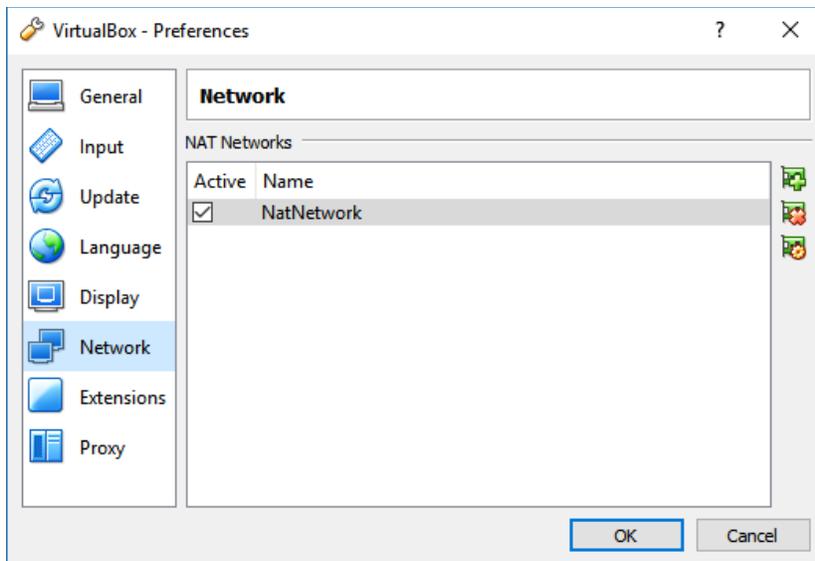


If you are using D201 Lab computer, or your own machine on your home network select **Bridged Adapter**.

If you are using your own machine but on UHCL wifi, select **NAT Network**.

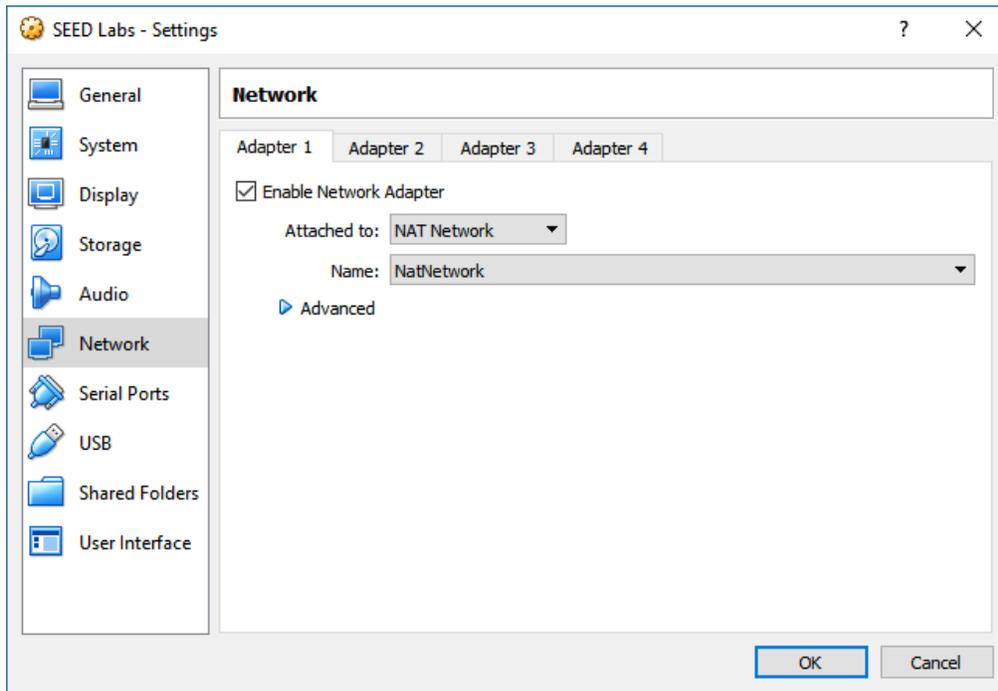
Before you can select NAT Network you have to create **NAT Network**.

Go to **File > Preferences** (Ctrl + G)



Add a Network using a button with Green + sign on right.

Now newly created NAT Network should be available to use. For NAT Network to work, you'll need all VMs to be on same NAT Network.



Important: Machines using NAT Network can not connect to host or external entities on networks. That is only possible with Bridged Adapters.

## 5 VM INFO

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### 5.1 SEED LABS

Username: `seed`

Password: `dees`

### 5.2 METASPLOITABLE

Username: `msfadmin`

Password: `msfadmin`