

# Virtual Machine

We will be using a virtual machine image running **Linux 3.36.8 kernel** using **Ubuntu(20.04.1LTS)** distribution. This will run using the freely available VirtualBox software.

This virtual machine includes the source code for **xv6** Operating System running on **qemu** platform.

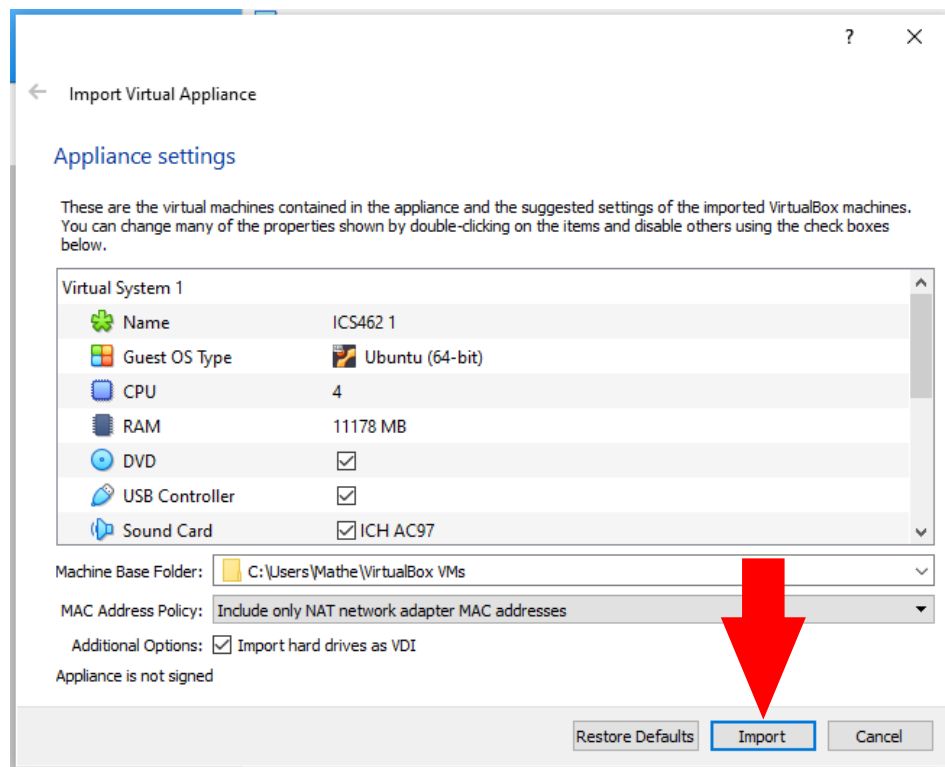
## Obtaining Virtual Box

Visit [www.virtualbox.org](http://www.virtualbox.org) and click on the download tab.

Download the VirtualBox platform packages for your appropriate system and install the software.

## Installation as a VirtualBox Appliance

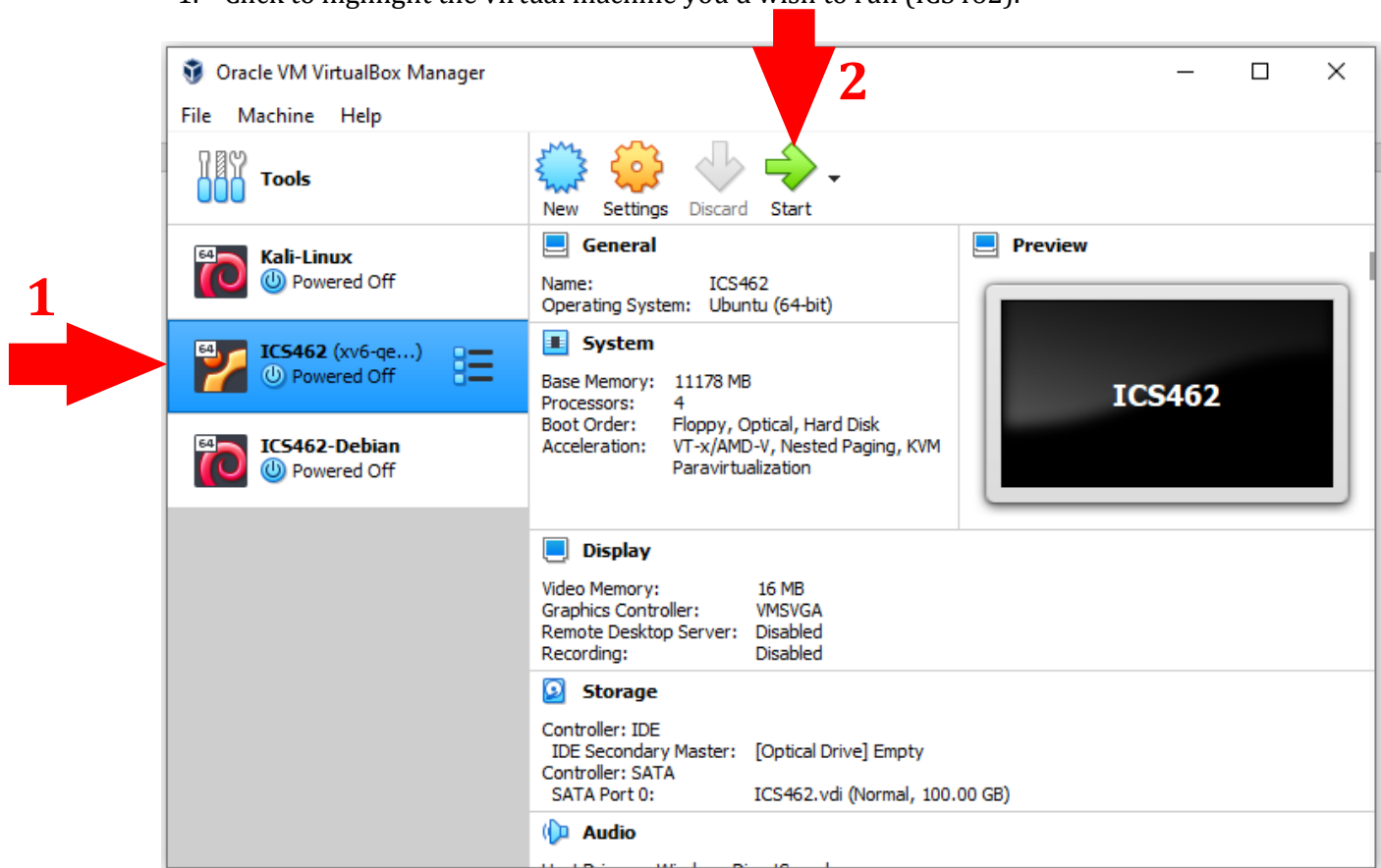
1. Download the **ICS462.ova** from the link your instructor email to you.
2. Double-click on the downloaded file. This will open the following window.



3. Click the **Import** button

## Running Linux

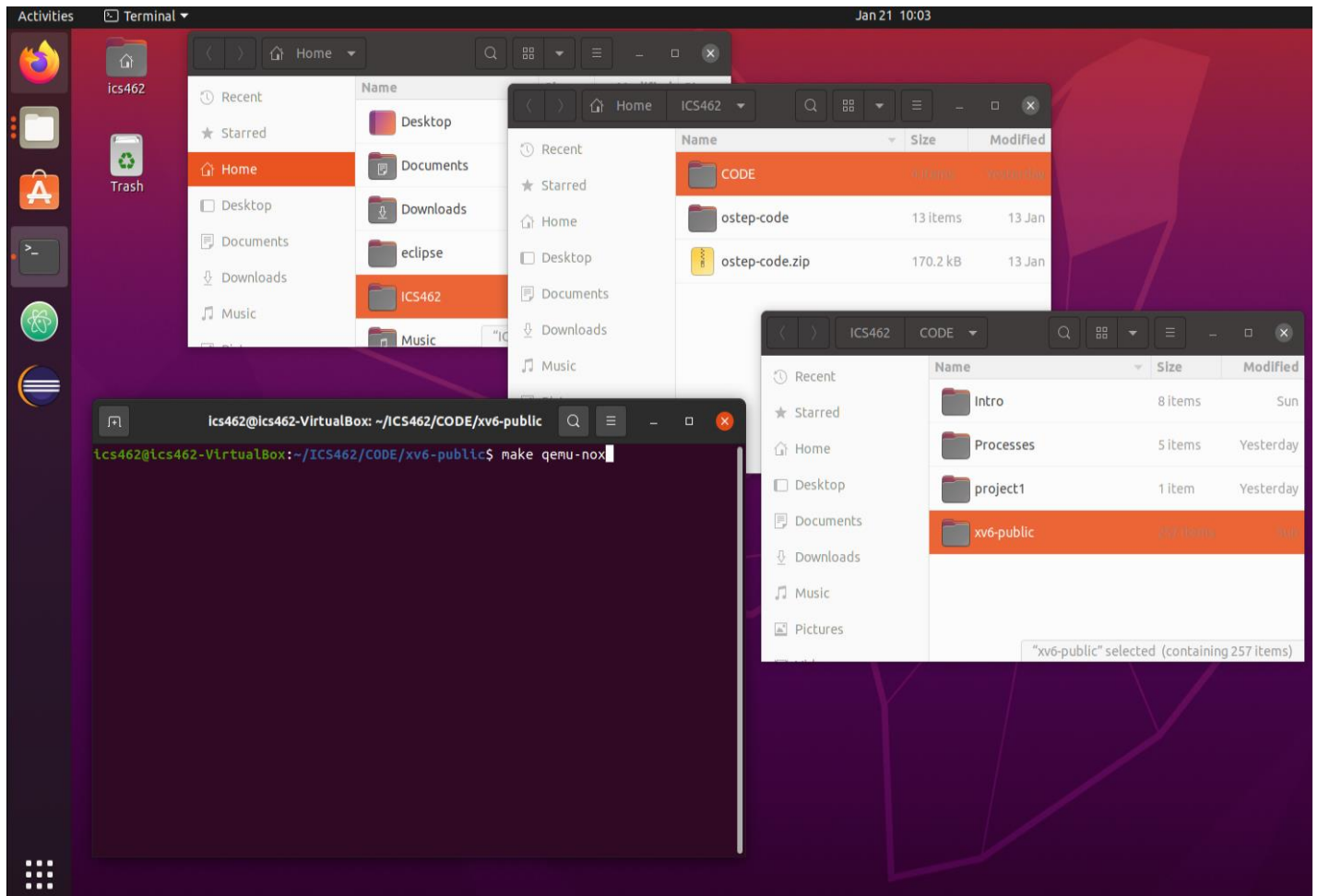
1. Click to highlight the virtual machine you'd wish to run (ICS462).



2. Click **Start**.
3. This will commence the Linux boot process.
4. The default username is `ics462` and the password is `ics`.
5. There is a `root` user, and the password is `ics`.

# How to Run xv6

1. Navigate to the **xv6-public** directory (`~/ICS462/CODE/xv6-public`) on the **Terminal**
2. Enter `make qemu-nox` command.



3. Read the **README** file and the **xv6-rev7.pdf** for more information.