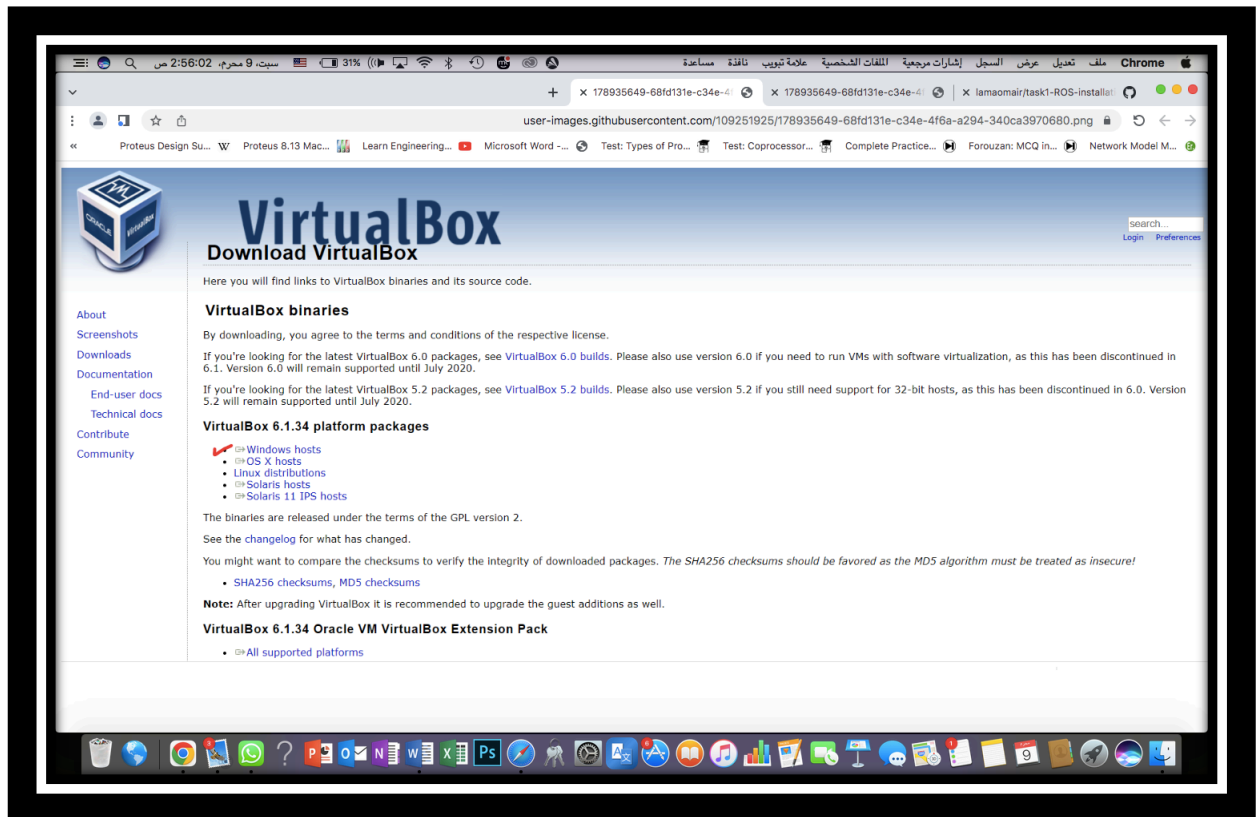


## install Virtual Box

VirtualBox is a general-purpose full virtualizer for x86 hardware, targeted at server, desktop and embedded use. To download VirtualBox head to VirtualBox.org and choose the latest version for your operating system. and i use this below:



## Download Ubuntu and create a virtual machine running Linux

- 1- visit Ubuntu.com then go to the downloads page.
- 2- choose Ubuntu desktop and select your desired version, your chosen version will determine which ROS version you can install. I will be working on Ubuntu 20.04.
- 3- After you finish downloading the Ubuntu ISO file we will start installing it on VirtualBox. Start VirtualBox, then hit the NEW button, fill in your machine name, type and version and then click next.

I downloaded it successfully on the virtual box

## **nstall of ROS Noetic**

In the last step I visit <http://wiki.ros.org/noetic/Installation/Ubuntu>  
And I follow the steps.

I make sure that ROS is run and working successfully :