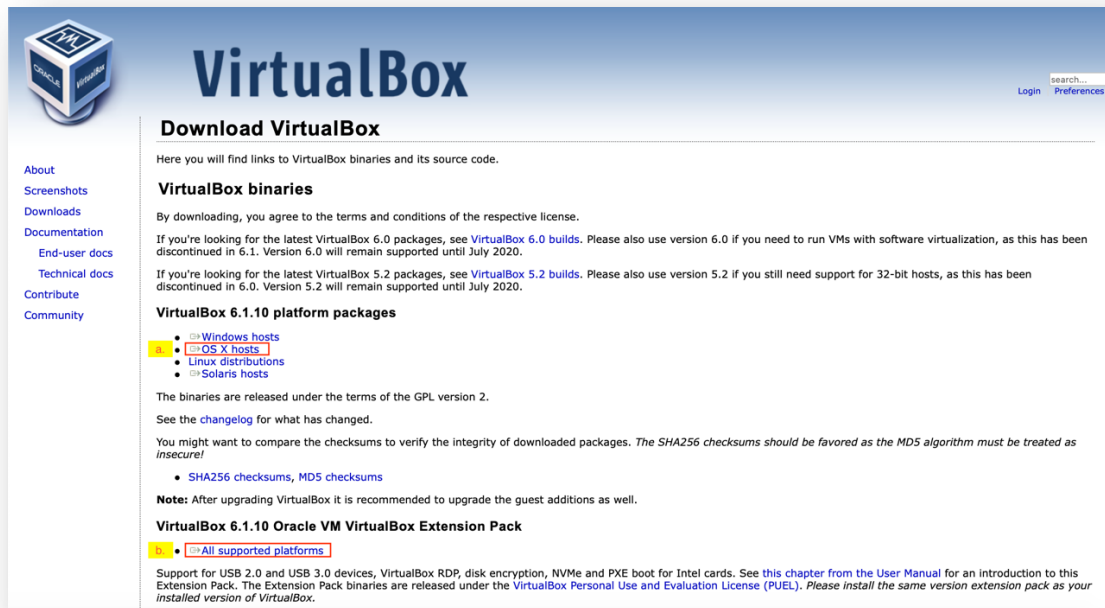


Steps to download ROS for macOS:

1. Download VirtualBox components (<https://www.virtualbox.org/>)
 - a. **VirtualBox 6.1.10 for OS X hosts**
 - i. Open the **.dmg** file and complete the installation steps
 - b. **VirtualBox 6.1.10 Oracle VM VirtualBox Extension Pack**
 - i. Open the **.vbox-extpack** and follow the instructions



2. Download Ubuntu and ROS (<http://nootrix.com/downloads/#RosVM>)
 - a. nootrix has assembled the **Ubuntu** operating system with **ROS Indigo 64Bits VM**
 - i. Once downloaded, go to **VirtualBox** then go to File → Import Appliance. Choose the **ova** file you have installed.

ROS Virtual Machines (Run with VirtualBox, VmWare, Parallels...)



Virtual machines with **ROS Indigo Igloo**:

- [ROS Indigo 32Bits VM](#).
- [ROS Indigo 64Bits VM](#).

Two VMs are available one with Ubuntu 32Bits and the other with Ubuntu 64Bits. Read [the related post about their characteristics](#) before downloading.

3. Start Ubuntu

- a. To check that the installation went well, you should see a picture like this:
 - i. Select **RosIndigo64Bits** from the left and click the green **Start** arrow

