

CSE/CEN 598 Hardware Security & Trust

VM Setup

<https://ascslab.org/courses/CSECEN598/index.html>

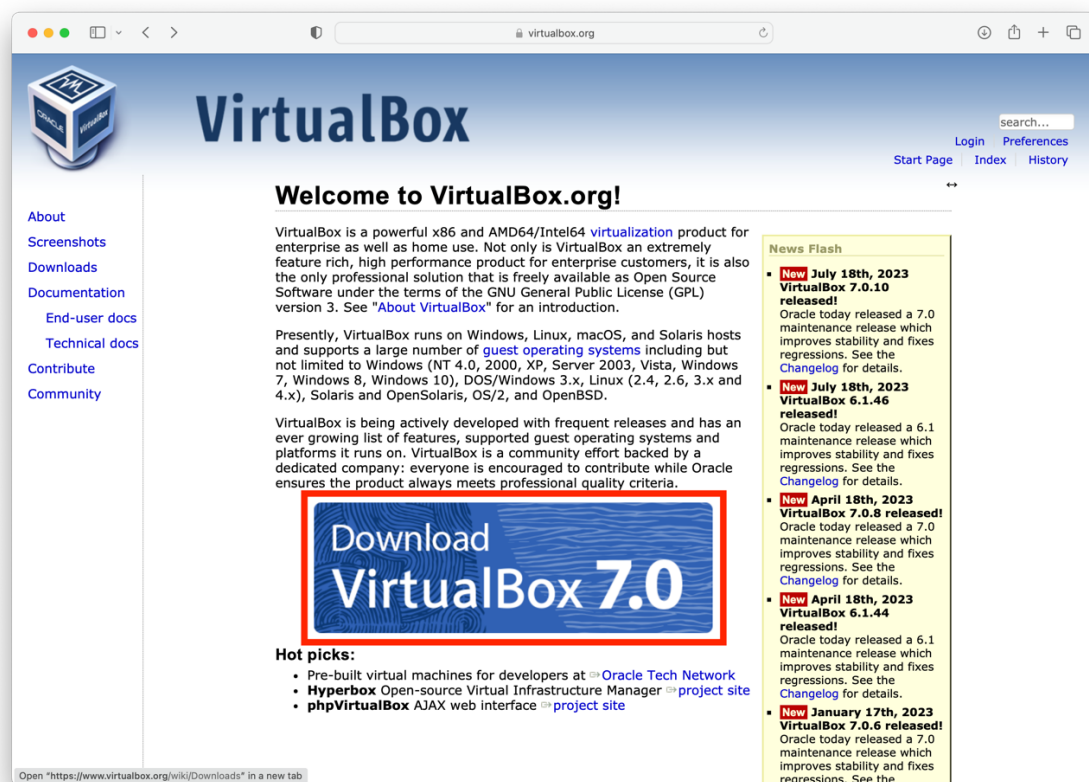
These directions describe how to set up a VM image that includes the tools necessary for CSE/CEN598. The provided VM includes FPGA synthesis and RTL simulation tools in addition to a standard environment for software based projects.

1. Download the VM image from the following link. You may need to be signed in to your ASU account to access the OneDrive link. Because it includes all of the tools we will use this semester, the download is approximately 27GB large. We recommend downloading it on-campus. If you have trouble with the size of the download, make an appointment with the TA's to discuss a work-around.

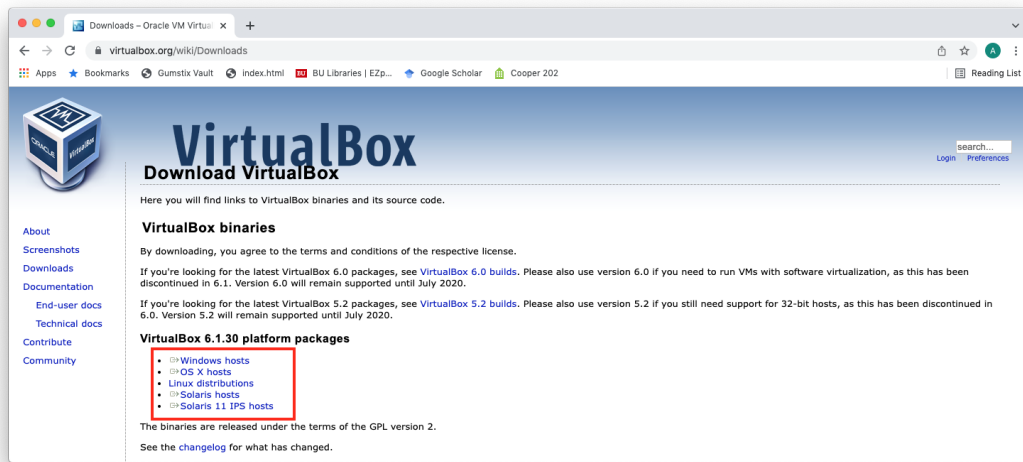
https://arizonastateu-my.sharepoint.com/:u:/g/personal/aehtret1_asurite_asu_edu/ERNuV_IDmdlOt_qxHmbC-eYBy1d4agUcl_KPPtbEAGdsug

2. Virtual Box and follow the installation instructions and documentation. Virtual Box is available on Windows, Mac, or Linux.

<https://www.virtualbox.org>

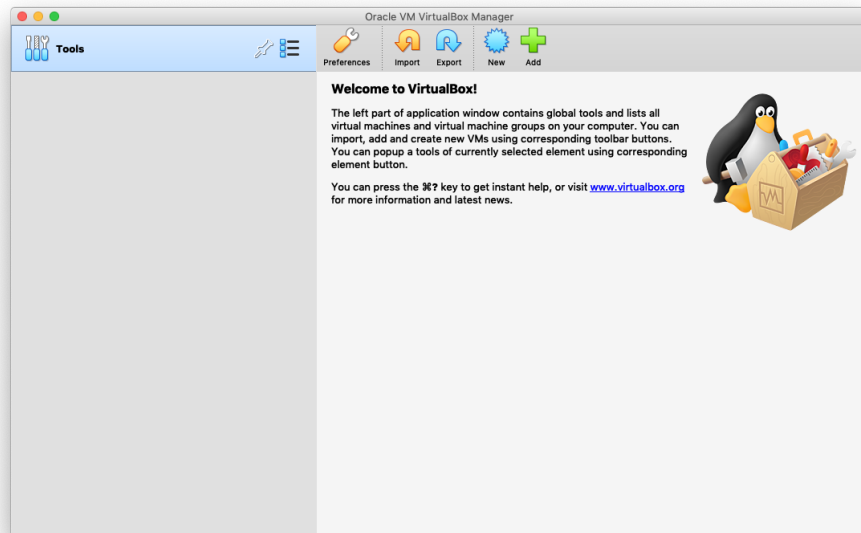


2a) Click the big download button.

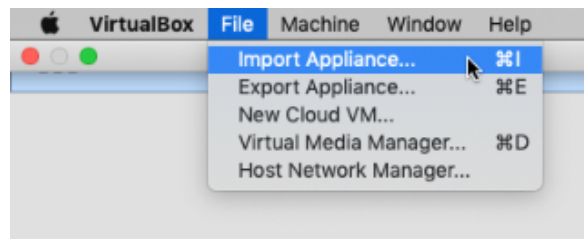


2b) Click the download link for your OS (Windows, Mac or Linux), then run the installer.

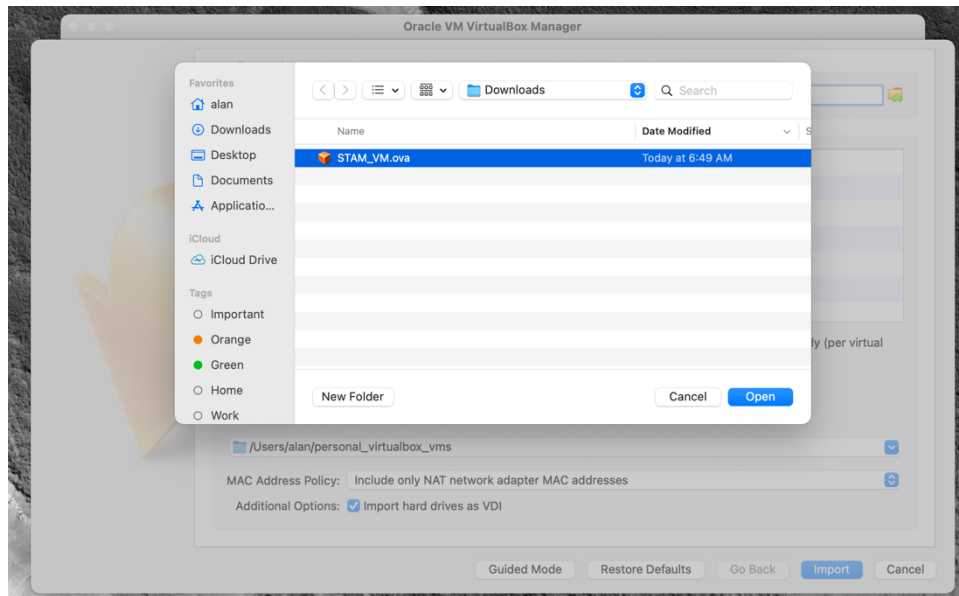
3. Open Virtual Box.



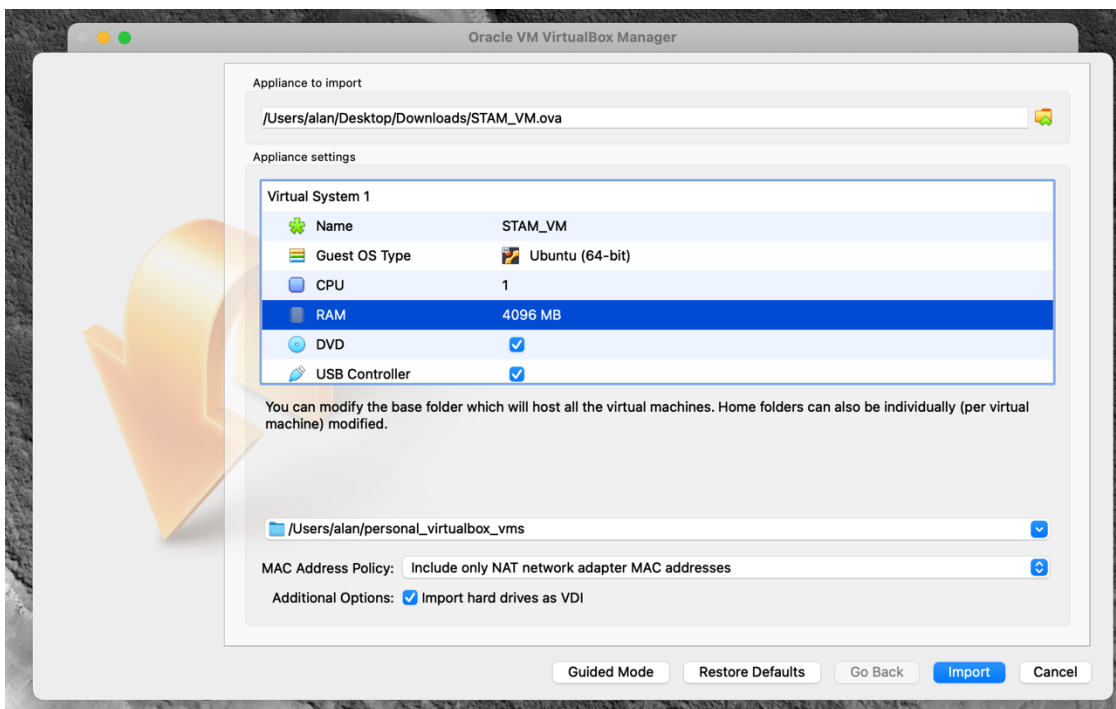
3a) Virtual Box should look like this when you first open it.



3b) Import the Downloaded VM image with File -> Import Appliance...



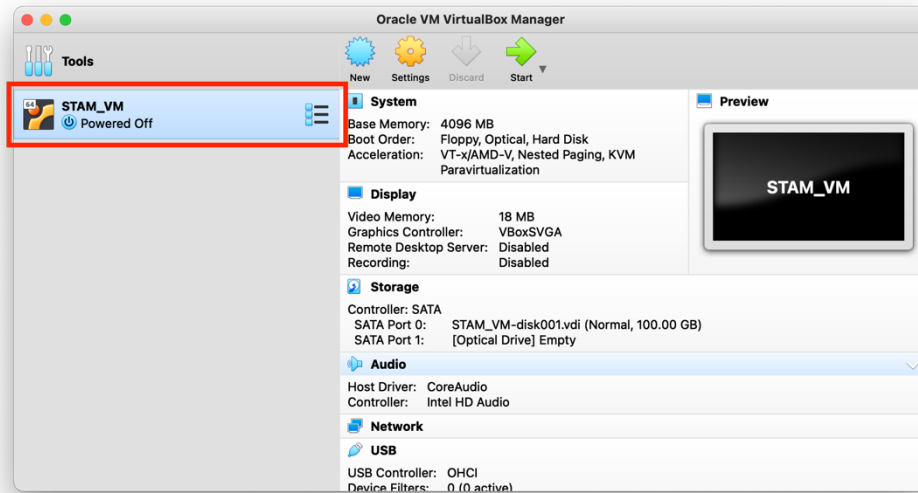
3c) Select the STAM_VM.ova VM image for importing and click Open.



3d) If necessary, Raise or lower the amount of RAM and number of CPUs selected for the VM.

NOTE: The TA set their CPUs to 3 after having long loading times

4. After importing the VM image, the VM should appear in the Virtual Box VM Manager. Select the new STAM_VM VM and click start to boot the VM.



5. Once the VM has booted, login to the cen598 user. The default password is also “cen598” (without quotes). You should change the default password.
 - a. NOTE: If your VM doesn’t boot power it off and on again
 - b. NOTE: If you are still having issues try deleting the machine and making a new one
6. Open a terminal window and navigate to the ~/Documents/cen598/ folder. There you will find the materials for Project 1. The remaining projects will assume you have extracted the materials to the ~/Documents/cen598/ProjectX folder.