

## Download and Install the CAMO ICS Using Virtualbox

1. Download and install the free VirtualBox software from <https://www.oracle.com/virtualization/virtualbox/>.
  - These instructions were written using VirtualBox version 7.0.8.
2. Download and extract the ICS appliance from <https://www.nl.northweststate.edu/CAMO/software/VirtualMachine/VirtualBox/>
  - Download all files that have the extension .zip or .z##.

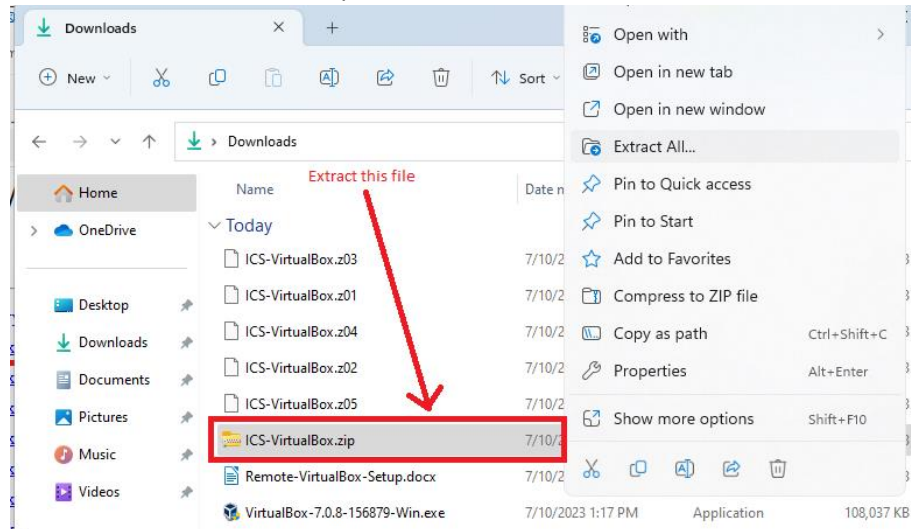
← → ↻ [nl.northweststate.edu/CAMO/software/VirtualMachine/VirtualBox/](https://www.nl.northweststate.edu/CAMO/software/VirtualMachine/VirtualBox/)

### Index of /CAMO/software/VirtualMachine/VirtualBox

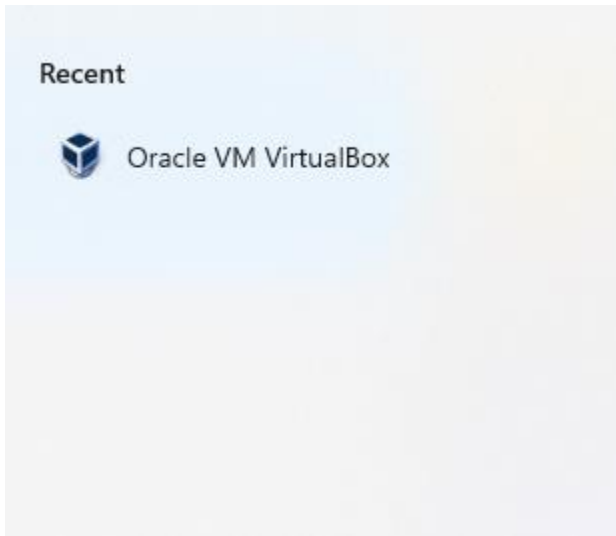
Name	Last modified	Size	Description
<a href="#">Parent Directory</a>	-	-	-
<a href="#">ICS-VirtualBox.ova</a>	2023-07-08 11:28	11G	
<a href="#">ICS-VirtualBox.z01</a>	2023-07-08 11:33	2.0G	
<a href="#">ICS-VirtualBox.z02</a>	2023-07-08 11:32	2.0G	
<a href="#">ICS-VirtualBox.z03</a>	2023-07-08 11:32	2.0G	
<a href="#">ICS-VirtualBox.z04</a>	2023-07-08 11:33	2.0G	
<a href="#">ICS-VirtualBox.z05</a>	2023-07-08 11:33	2.0G	
<a href="#">ICS-VirtualBox.zip</a>	2023-07-08 11:33	1.4G	
<a href="#">README.txt</a>	2022-10-14 17:01	311	
<a href="#">md5sums.txt</a>	2023-07-08 11:37	371	
<a href="#">old-202212/</a>	2022-12-09 09:53	-	
<a href="#">old-202306/</a>	2023-07-08 10:45	-	
<a href="#">old-202307/</a>	2023-07-08 11:21	-	

Download these files.

- Extract the ICS-VirtualBox.zip file.



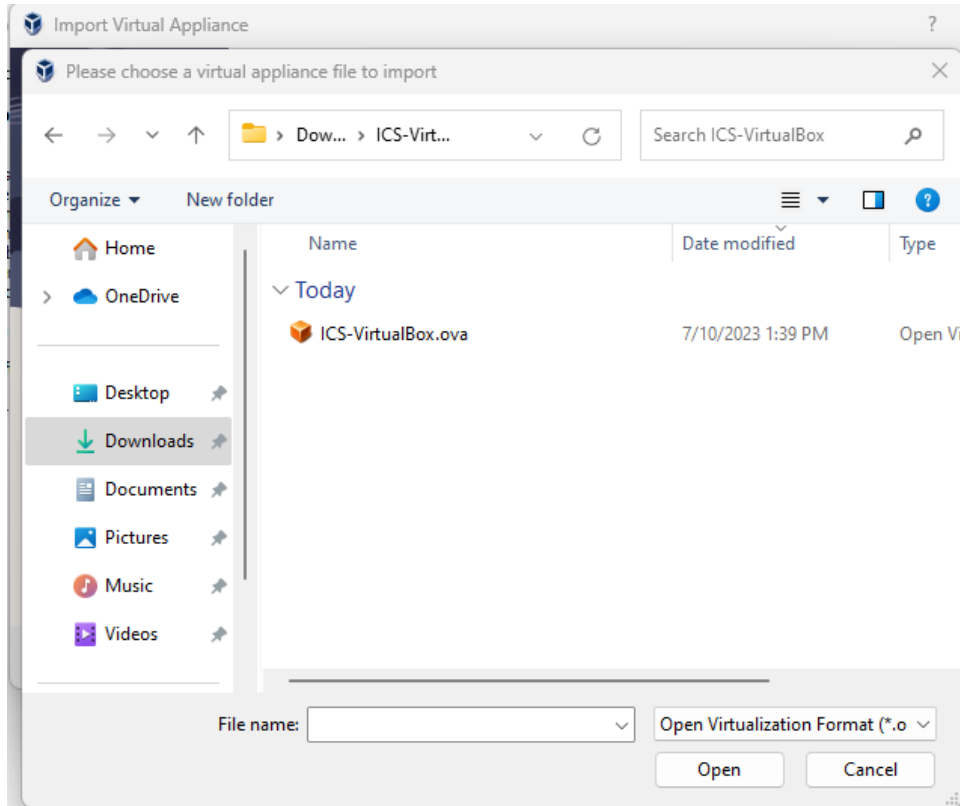
3. Open the Oracle VM VirtualBox Manager program.



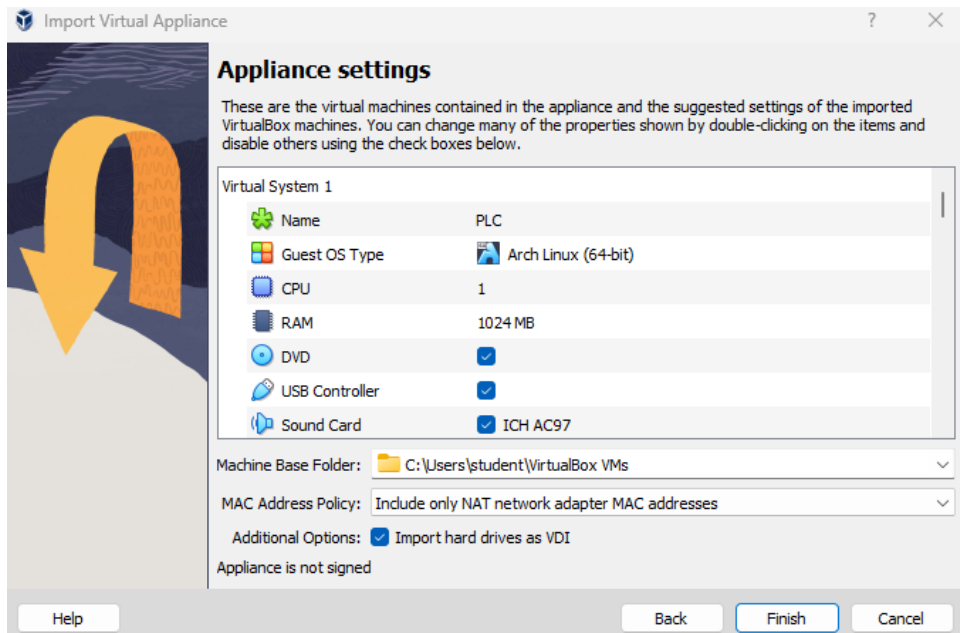
4. Go to the File menu and choose the Import Appliance... option.



- Browse to the location where you extracted the ICS-VirtualBox.zip file then open the ICS-VirtualBox.ova file.



- Click Next then Finish accepting the default options.



7. After the appliance has finished importing make sure you start the Virtual Machines in the following order:
  - Security Appliance
  - Sensor
  - PLC
  - OPC
  - HMI
  - Kali
8. Contact Tony Hills <[thills@northweststate.edu](mailto:thills@northweststate.edu)> or Mike Kwiatkowski <[mkwiatkowski@northweststate.edu](mailto:mkwiatkowski@northweststate.edu)> if you experience any difficulty or have any questions.