## Download and Install the CAMO ICS Using Virtualbox

- 1. Download and install the free VirtualBox software from <u>https://www.oracle.com/virtualization/virtualbox/</u>.
  - 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##.

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

<u>Name</u>	Last modified	<u>Size</u>	<b>Description</b>	
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old-202306/	2023-07-08 10:45	; -		
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## • Extract the ICS-VirtualBox.zip file.

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3. Open the Oracle VM VirtualBox Manager program.



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



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

🗿 Import Virtual Applian	ce			?
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6. Click Next then Finish accepting the default options.

🔋 Import Virtual Appliar	nce			?	$\times$	
	Appliance settings					
	These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.					
	Virtual System 1					
	😽 Name	PLC	PLC			
	🚼 Guest OS Type	💦 Arch Linux (64-				
	🔲 СРИ	1				
	RAM	1024 MB	1024 MB			
	USB Controller					
	խ Sound Card	CH AC97				
	Machine Base Folder: 📒 C:\U	lsers\student\VirtualBox VI	Ms		$\sim$	
	MAC Address Policy: Include of	only NAT network adapter	MAC addresses		$\sim$	
	Additional Options: 🔽 Impor	t hard drives as VDI				
	Appliance is not signed					
Help			Back Finish	Cance	ł	

- 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 <a href="https://www.etwitten.etwit