



- Access to a Hypervisor- I use Virtualbox
- Windows 10 or 11 ISO
- Remnux Linux distro for the tools for analysis-This is installed on windows host
- Flare VM for the environment

Starting with Windows Machine

 When you access your windows machine you will first turn off updates for 7 days. This will prevent it from updating during installation. Next, you will go into defender and within Virus protection turn off Virus scanning and Tamper Protection. Next you will open Powershell as Admin.

Installing Flare VM

- Run the command (New Object net.webclient).DownloadFile('https://raw .githubusercontent.com/Mandiant/flarevm/main/install.ps1',"\$({Environment}::G etFolderPath("Desktop"))/install.ps1")
- Then it will pop a normal line after
- Youll navigate to your desktop directory
- Cd C:/Users/<insert your name here/Desktop>
- From here you will install the file for Flarevm

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2 Select Administrator Windows PowerShell
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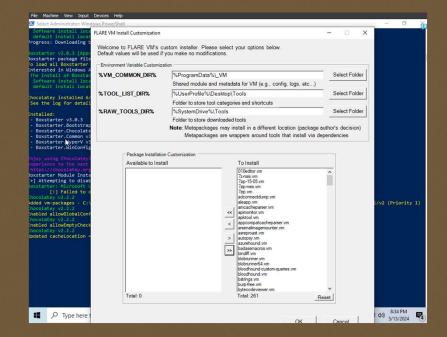
Installing continued

- Input Unblock-File .\install.ps1
- Next youll input Set-ExecutionPolicy Unrestricted
- Since this is a lab environment you would input A
- Then we will run .\install.ps1
- Let it run through its script
- Any warnings use Y for the lab environment
- It will have you populate your password for the machine

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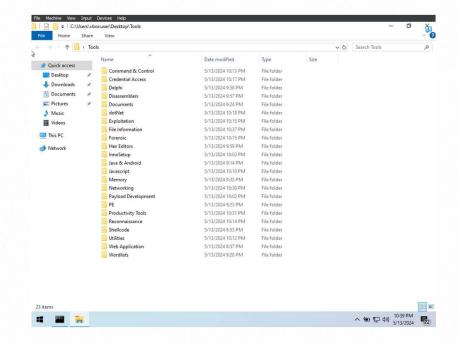
Flare VM install console

 With this tool you can now choose to install certain tools from the list, or a few or all.



Once you finish the install

 The install takes a long time, and will restart a lot. Once it finishes you will have a host of new icons on your desktop. Tools is where your tools you selected to download will be located. Before you run anything in it, make sure you only run your network locally within the VM.



Installing Remnux

- You can access remnux from remnux.org
- If youre using virtual box you will select the virtual box ova
- If youre running a different HyperVisor you will select General OVA
- Once you download the file, run the checksum hash on it as it says in step 2

Step 1: Download the Virtual Appliance File

The REMnux virtual appliance approximately 5 GB. It comes as an industry-standard OVA file, which you can import into your virtualization software. It's based on Ubuntu 20.04 (Focal).

Decide which OVA file to download. Unless you're using Oracle VM VirtualBox, get the general OVA file. If you're using VirtualBox, get the VirtualBox version. Download your preferred OVA file:

General OVA VirtualBox OVA

This VirtualBox OVA file is specifically for VirtualBox. Get the general version from the other tab if you're using other hypervisors:

Download the VirtualBox OVA file from Box (primary) or SourceForge (mirror)

Some browsers (e.g., Brave) change the extension of the OVA file after downloading it, possibly giving it the incorrect .ovf extension. If that happens, rename the file so it has the .ova extension before proceeding.

Step 2: Confirm the Hash the OVA File

Validate the SHA-256 hash of the downloaded file using a tool such as sha256sum or shasum to make sure it matches this expected value:

General OVA Hash VirtualBox OVA Hash

The general OVA file:

76a12cc8ccf482e83f84b42ebfd9019ae47cf27915d0c2d686a9a407f8ee51ab

After installing Remnux, you're free to play!

 After installing Remnux, you are free to run static or dynamic analysis. Make sure you do it in a safe environment and run network locally in the VM.

