**Lab 1: Install the Virtual Machine Lab Environment**

In this lab, you'll set up your development environment by downloading and importing the DevNet Ubuntu VM into Oracle VirtualBox. This virtual machine comes preloaded with essential tools such as Cisco Packet Tracer, VS Code, Postman, and a Linux terminal. The lab provides a safe, isolated environment to experiment with Cisco DevNet technologies without affecting your host system. By the end of this lab, you’ll be ready to begin hands-on practice with real-world automation and programmability tools.

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| **// Download DevNet Ubuntu OVA File**  1. Open any web browser and go to the website using the following link: **https://labhub.eu.org/OVA/** to download an OVA file of DevNet Ubuntu VM. Click on the **DEVASC\_VM.ova**.    2. Click on the **Download** button to start downloading of OVA file. |

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| **// Import DevNet Ubuntu OVA File in Oracle VirtualBox**  1. In the Windows Search bar, type **virtualbox**. Then click on the **Open**.    2. The **Oracle VirtualBox Manager** window opens. Click on the **File** at the top. Then click on the **Import Appliance…**.    3. The source of the appliance is the **Local File System**. Click on the **Folder** icon to select the file location of the downloaded DevNet Ubuntu VM OVA file.    4. Select the **DEVASC\_VM** OVA file. Click on the **Open** button.    5. Click on the **Finish** button, and leave all settings as default.    6. We have successfully imported the DevNet Ubuntu VM into Oracle VirtualBox.    7. Select the **DEVASC-LABVM** and click on the Start button.    8. The DevNet VM contains Packet Tracer. You must agree to the Cisco Packet Tracer EULA to continue starting the VM. When you see the license agreement, use the arrow keys to scroll through the text. Press the **Right Arrow** key to select **<OK>**, then press **Enter** to continue.    9. Press the **Space Bar** to move to the Agreement screen. Press the **Left Arrow** key to select **<I Agree>**, then press **Enter** to continue.    10. The DevNet Ubuntu image will continue to load. Close any pop-up messages.  11. In the later labs, you will use the terminal, VS Code, Packet Tracer, Web Browser, and Postman. Open these applications and explore them. Click the **Menu** button.    12. Explore the **Places**, **System**, and **All applications**.    13. It is important to note that this is a virtual machine, operating independently from the host computer on which it is installed. You have full flexibility to modify or configure it as needed. In the event of an error or system issue, the virtual machine can be easily removed from VirtualBox and replaced with a new instance using the originally downloaded file. This setup provides a safe and effective environment for testing software without impacting the primary system. |