RISC-V tools Environment Setup

Environment Setup

- In order to compile and run the program in RISC-V, some tools is essential.
  - RISCV-tools
  - RISCV-toolchain
  - Spike …etc.

- TA has provided an virtual machine image. By using the image, there is no need to install the tools again.

Download Image

- Download URL: https://drive.google.com/file/d/1E5R6zKtg75qVub0G51HKRjSXric6TKaa/view?usp=sharing

- The image size is about 5GB. Please make sure there is enough disk space.

Install VirtualBox

- URL: https://www.virtualbox.org/

Import Image

- Launch VirtualBox Manager

- Choose File(檔案) >> Import Appliance(匯入 應用裝置)

Import Image

- Choose the downloaded image file (ee3450.ova).

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← 匯入虛擬應用裝置

匯入的應用裝置

請選擇要從中匯入應用裝置的來源。 這可以是本機檔案系統,用於匯入 OVF 存檔,也可以是一個已知的雲端服務提供商,用於匯入雲端虛擬機器。

來源(S): 本機檔案系統 ▾

請選擇要匯入虛擬應用裝置的檔案。 VirtualBox 目前支援匯入以 Open Virtualization Format (OVF) 儲存的應用裝置。 若要繼續,選取以下要匯入的檔案。

檔案(F): C:\<Your_PATH>\ee3450.ova

Import Image

- Press Import (匯入)

Start Virtual Machine

- After the installing process is done, press Start (啟動).
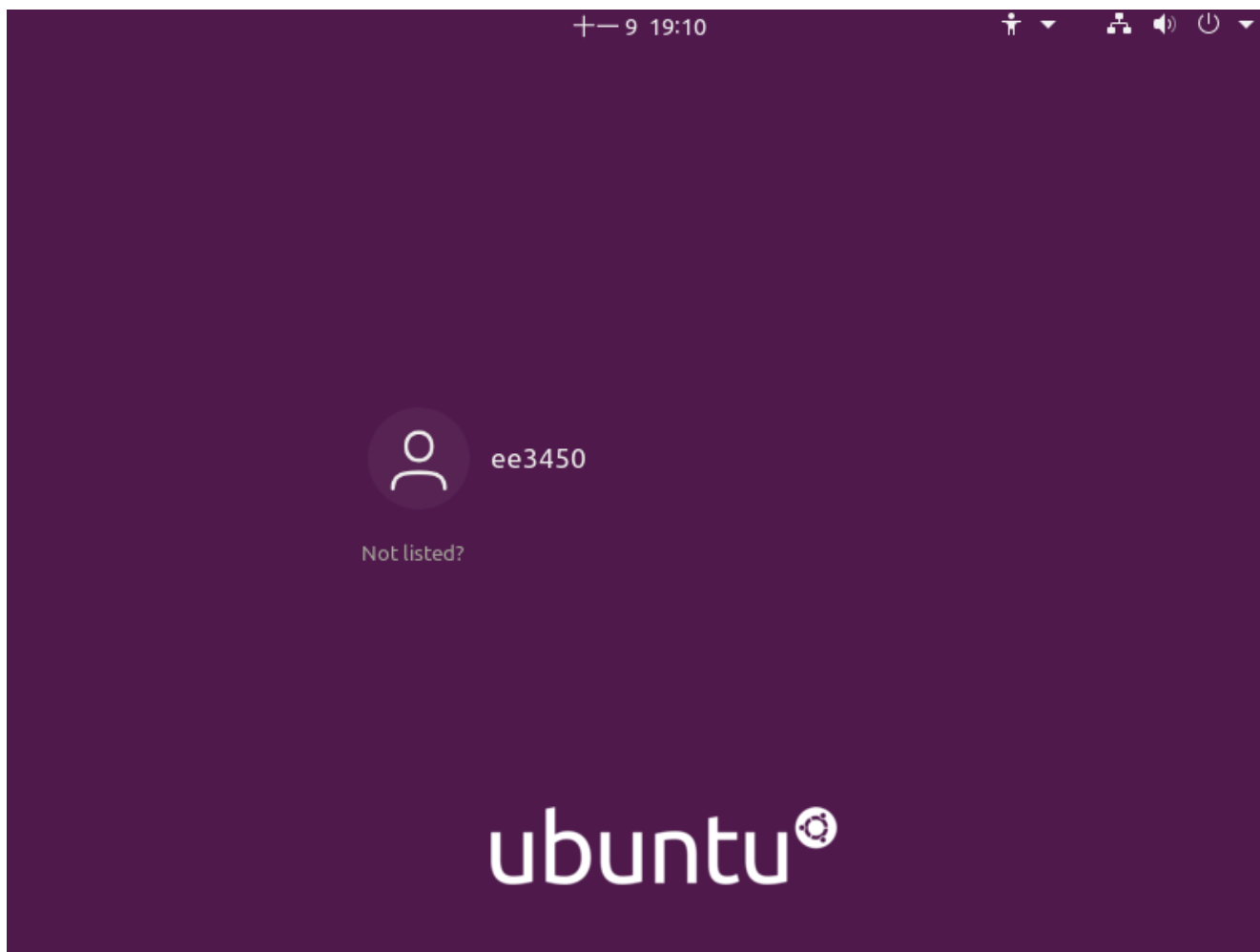
Ubuntu Login

Download Template Code

- After the virtual machine is successfully built, login to the ubuntu system.
  User Name: ee3450
  Password: eenthu3450

- Open the terminal, and download the template code provided by TA.

```
$ git clone https://github.com/JerryWang0520/ee3450_pa1.git
```