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Lab 1

Installing UTM and Kali Linux

Step 1:

Since my OS was macOS with an M1 chip, I followed the instructions provided in the link below. <https://www.kali.org/docs/virtualization/install-utm-guest-vms/> to set up UTM and Kali Linux on my machine.

UTM is a full-featured system emulator and virtual machine host for iOS and macOS. It is based on QEMU (Quick Emulator) which is a free and open-source emulator. In short, it allows you to run Windows, Linux, and more on your Mac, iPhone, and iPad. More information at <https://getutm.app/> and <https://mac.getutm.app/>

Step 2:

Updated the OS with the following command to make sure all the system packages are updated. Running **'sudo apt update'** fetches the latest package information for software repositories on your Linux system, ensuring security patches, bug fixes, and new features are available. This step is vital before installing or upgrading software with accurate dependencies. It maintains system security, stability, and functionality.

```
sudo apt update
```