

## **Guidelines for Kernel Installation and Compilation Experiment - OST**

### **Prerequisite :**

- 1) Virtual Box + Ubuntu OS / Ubuntu System / Any Cloud Instance( Azure/AWS ).
- 2) Linux Kernel (Download the latest version(5.8.5) from [www.kernel.org](http://www.kernel.org) )

**First step is to open the terminal, and then follow the commands one by one,**

- 1) `sudo apt-get update`
- 2) `sudo apt-get install git fakeroot build-essential ncurses-dev xz-utils libssl-dev bc`

Now redirect to the Downloads where your newly downloaded linux kernel is situated.

- 3) `cd Downloads`
- 4) `tar xf linux-5.8.5.tar.xz`
- 5) `cd linux-5.8.5`
- 6) `cp /boot/config-$(uname -r) .config`
- 7) `sudo apt-get install flex`
- 8) `sudo apt-get install bison`
- 9) `make menuconfig`
- 10) `make`

**Note : 10th Command will take more time, Minimum it will take 1 to 2 Hours.**

- 11) `make modules_install`
- 12) `make install`