

## Requirements:

- Ubuntu 20.04

## Installation:

- Followed Linux installation instructions
- Source: <https://chipwhisperer.readthedocs.io/en/latest/linux-install.html>

## Accessing CW Interface:

- In terminal:

```
cd chipwhisperer
pyenv activate cw
jupyter-notebook
```

- Opens jupyter notebook web interface (localhost)
- Prompts to set a password (ours is password)

## CW Basics:

- Starting up the cw scope
- Programming the target
- Using arm and capture functions
- `target.dis()` & `scope.dis()` to disable the current target and scope instantiation.

## Common Errors:

- Permission denied: Use **`sudo chmod a+rw /dev/ttyUSB0`** or **`sudo chmod 666 /dev/ttyUSB0`** to resolve it.

```
SerialException: [Errno 13] could not open port /dev/ttyUSB0: [Errno 13] Permission denied: '/dev/ttyUSB0'
```

- LIBUSB: Restart the kernel or unplug/replug all CW connections and USRP connections.