Architecture Change

Use the following steps to build a project for another architecture:

Move into the project folder and do a cleanup:

```
idf.py fullclean
```

Make a backup of the project folder

```
cd ..
cp -r LCR-meter/ LCR-meter-backup
```

Move into the project folder and change the architecture:

```
cd LCR-meter
idf.py set-target esp32c3
```

Setup project configuration When setting the target several project settings are returned to defaults. Use **idf.py menuconfig** to check and change settings:

```
idf.py menuconfig

Change partition settings to: "Custom partition table CSV"
Enable ESP-TLS Server
Enable ESP_HTTPS_SERVER component
```

Rebuild the project

```
idf.py build
```

Check the USB port used by the new board, by running the following command and (un)plugging the USB connector:

```
sudo udevadm monitor -u
```

Further we assume that port /dev/ttyUSB0 is being used: Do a full flash:

```
idf.py -p /dev/ttyUSB0 flash
```

1907 esptool.py –port /dev/ttyACM0 write_flash –flash_mode qio 0x250000 default.config 1908 idf.py menuconfig 1909 idf.py partition-table 1910 idf.py menuconfig 1911 idf.py partition-table 1912 idf.py build 1913 idf.py -p /dev/ttyACM0 partition-table-flash 1914 /home/oscar/development/esp32/idf-tools/python_env/idf5.2_py3.11_env/bin/python ../../esp-idf/components/esptool_py/esptool/esptool.py -p /dev/ttyASM0 -b 460800 –before default_reset –after hard_reset –chip esp32 write_flash –flash_mode dio –flash_size detect –flash_freq 40m 0x0010000 build/LCR-Meter.bin 1915 idf.py build 1916 python -m esptool –chip esp32c3 -b 460800 –before default_reset –after hard_reset write_flash

–flash_mode dio –flash_size 4MB –flash_freq 80m 0x0 build/bootloader/bootloader.bin 0x8000 build/partition_table/partition-table.bin 0xd000 build/ota_data_initial.bin 0x10000 build/LCR-Meter.bin 1917 esptool.py –port /dev/ttyACM0 write_flash –flash_mode qio 0x250000 default.config 1918 idf.py build