

Steps for configuration

Monday, July 01, 2024 10:46 AM

Steps :

```
cd /path/to/esp-idf
./export.sh
cd /path/to/esp-matter
./export.sh
export RMAKER_PATH=/path/to/esp-rainmaker
```

```
Cd $RMAKER_PATH/cli
./rainmaker.py login <email>
./rainmaker.py claim --matter <port>
```

Install mfg tool using
python3 -m pip install esp-matter-mfg-tool

Run mfg tool

```
esp-matter-mfg-tool -v -v 0x131B -p 0x2 -cd
$RMAKER_PATH/examples/matter/mfg/cd_131B_0002.der --csv
$RMAKER_PATH/examples/matter/mfg/keys.csv --mcsv
$RMAKER_PATH/examples/matter/mfg/master.csv
```

```
esptool.py -p <serial_port> write_flash <address> path/to/<uuid>-partition.bin
```

After configuring above parameters, go to the controller code path,

```
idf.py set-target esp32
idf.py build
idf.py flash
idf.py monitor
```

Possible Issues :

If mfg_tool.py is not working, change permissions
chmod +x ./mfg_tool.py

If error related to spake2p , Go to connectedhomeip/src/tools/spake2p

```
gn gen out
ninja -C out
export PATH=$PATH:${pwd}/out
echo 'export PATH=$PATH:${pwd}/out' >> ~/.bashrc
source ~/.bashrc
```

To verify that spake2p is correctly installed and accessible, run: spake2p

Binary is bigger than the app partition
Instead of 2 partitions, use one large partition to accommodate the binary

SPI flash size larger than header
Go to menuconfig, and reduce the size from 8 MB to 4 MB
Also, make sure the partitions in the partition table does not exceed 4 MB