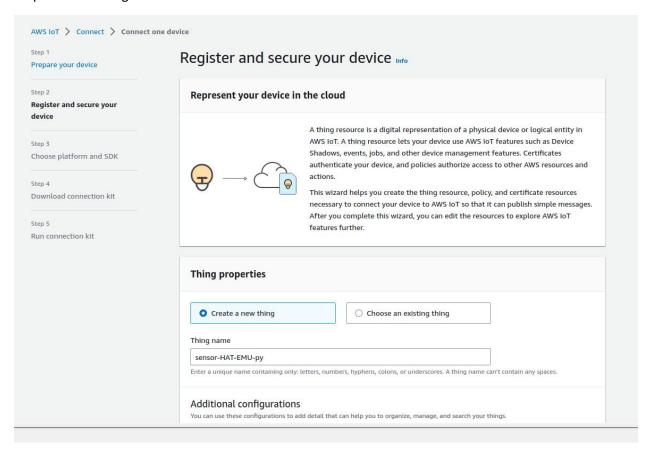
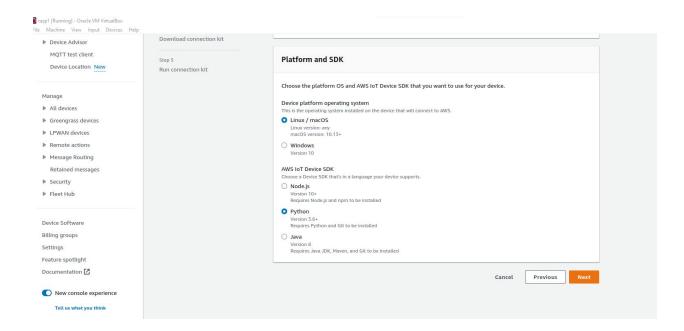
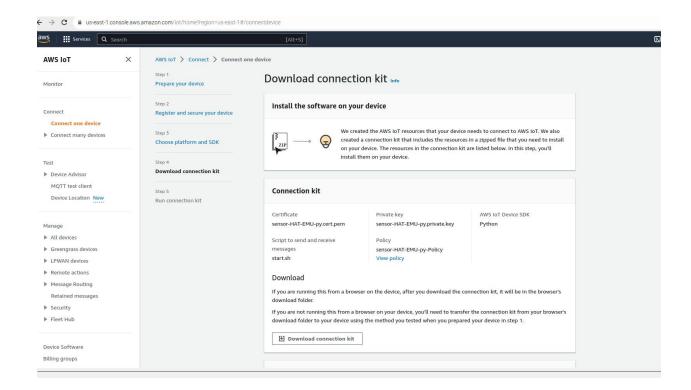
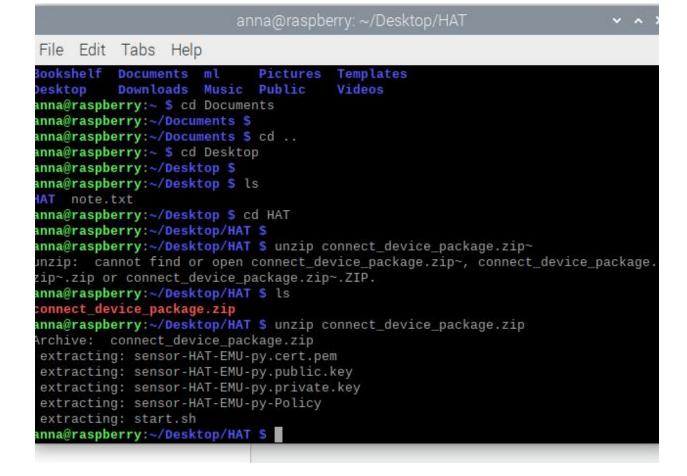
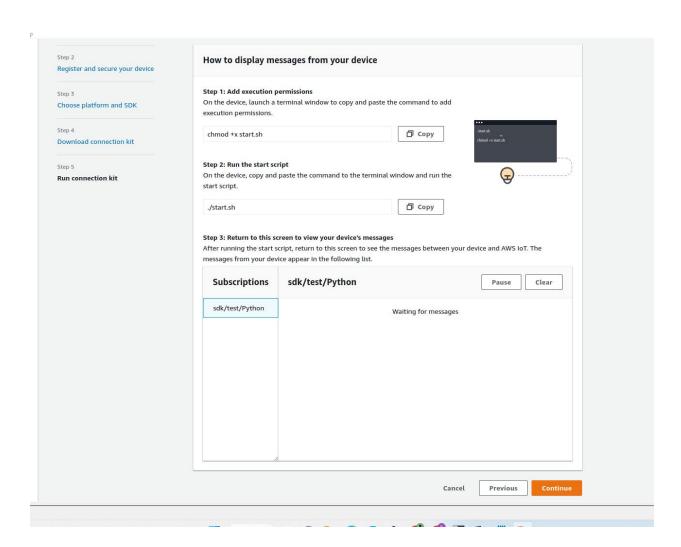
Part2 – Connecting Raspberry Pi emulator + VirtualBox + Sense HAT Emulator to AWS IOT Using Python Step1. Walk through AWS IOT \rightarrow Connect \rightarrow Connect one device







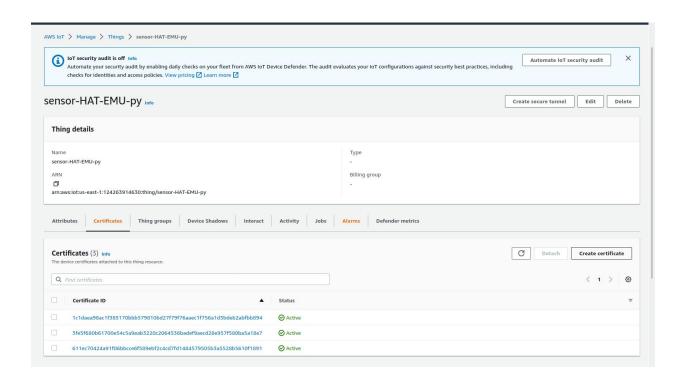


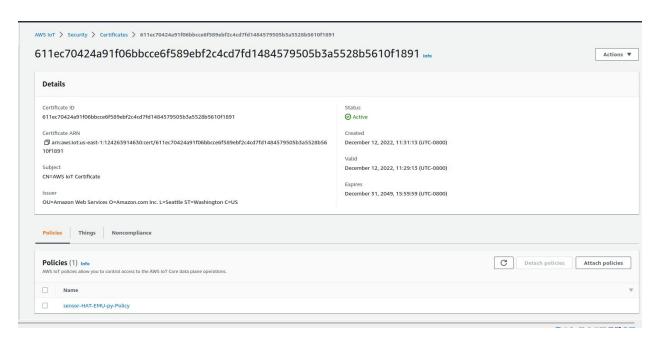


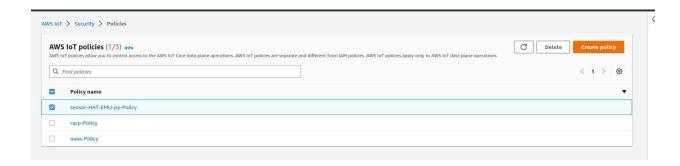
```
anna@raspberry: ~/Desktop/HAT
```

```
File Edit Tabs Help
```

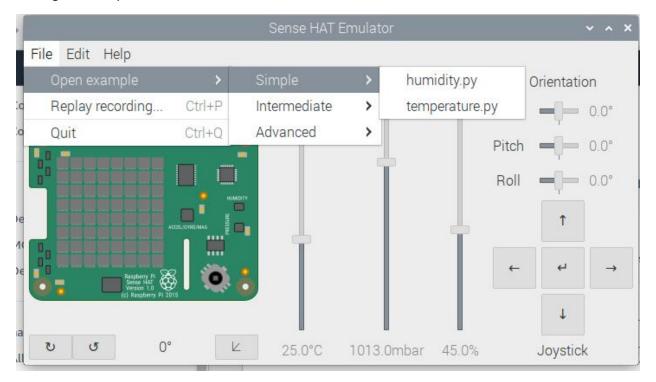
```
Archive: connect_device_package.zip
extracting: sensor-HAT-EMU-py.cert.pem
extracting: sensor-HAT-EMU-py.public.key
extracting: sensor-HAT-EMU-py.private.key
extracting: sensor-HAT-EMU-py-Policy
extracting: start.sh
anna@raspberry:~/Desktop/HAT $ chmod +x start.sh
anna@raspberry:~/Desktop/HAT $ ./start.sh
Downloading AWS IoT Root CA certificate from AWS...
 % Total % Received % Xferd Average Speed Time
                                                      Time
                                                               Time Current
                               Dload Upload Total Spent
                                                               Left Speed
100 1188 100 1188
                      Θ
                            0 14142
                                         0 --:--:- 14142
Cloning the AWS SDK...
Cloning into 'aws-iot-device-sdk-python-v2'...
remote: Enumerating objects: 1703, done.
remote: Counting objects: 100% (104/104), done.
remote: Compressing objects: 100% (86/86), done.
remote: Total 1703 (delta 32), reused 58 (delta 17), pack-reused 1599
Receiving objects: 100% (1703/1703), 1.92 MiB | 3.47 MiB/s, done.
Resolving deltas: 100% (1004/1004), done.
Installing AWS SDK...
```

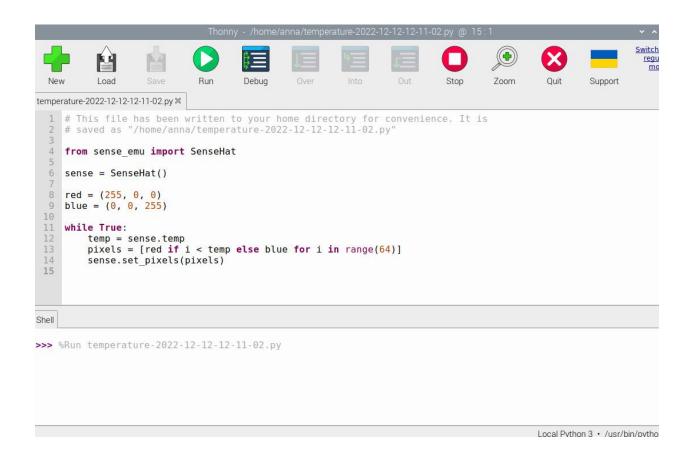


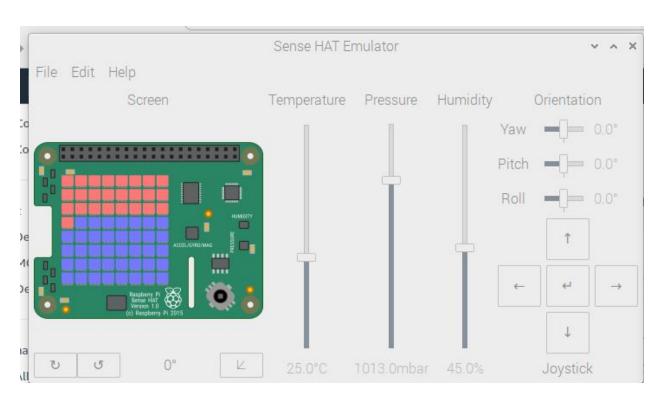




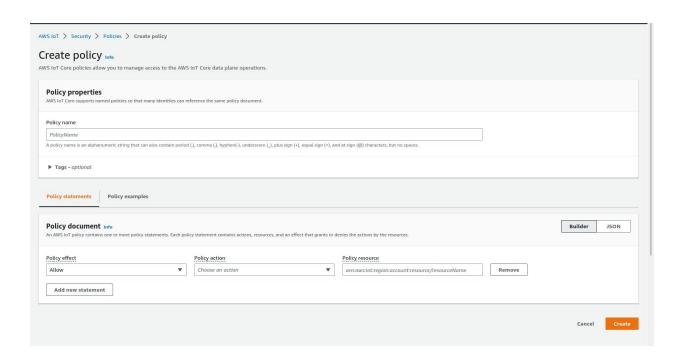
Testing with sample code:

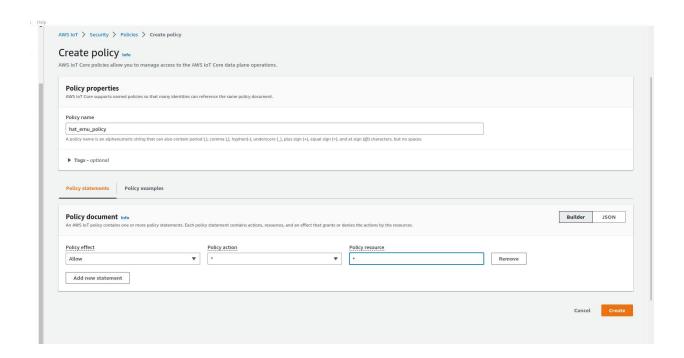


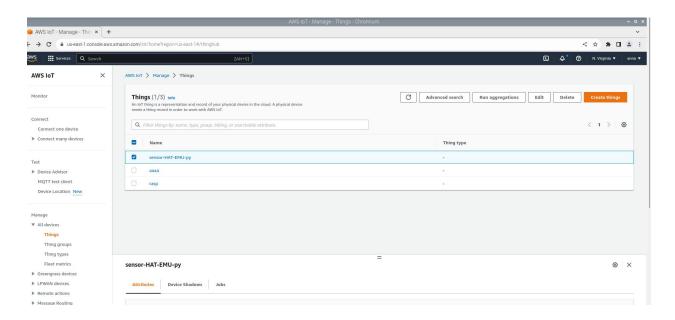


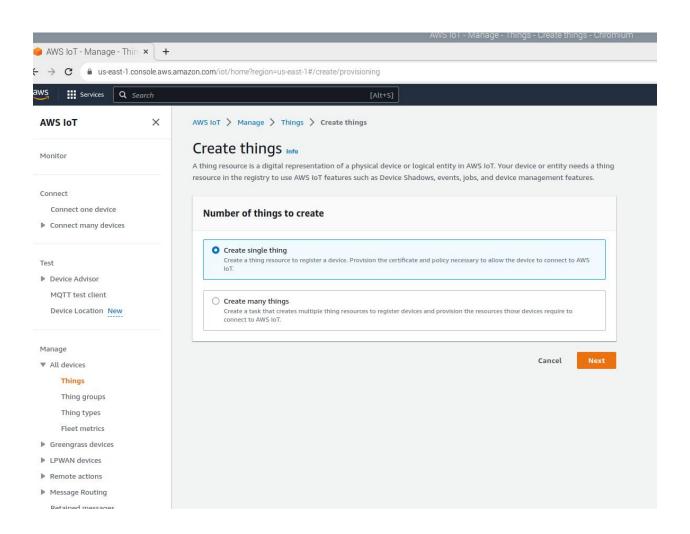


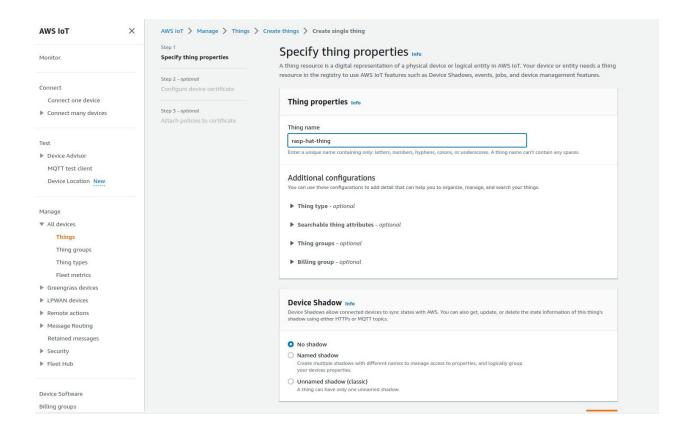
```
anna@raspberry: ~/Desktop/HAT/iot-test-publish/certificates
le Edit Tabs Help
na@raspberry:~/Desktop $ ls
  note.txt
na@raspberry:~/Desktop 5 cd HAT
na@raspberry:~/Desktop/HAT $
na@raspberry:~/Desktop/HAT $ ls
-iot-device-sdk-python-v2 sensor-HAT-EMU-py.cert.pem
nnect_device_package.zip sensor-HAT-EMU-py-Policy sensor-HAT-EMU-py.private.key
                            sensor-HAT-EMU-py.public.key
t-CA.crt
                            start.sh
na@raspberry:~/Desktop/HAT 5 cd iot-test-publish
na@raspberry:~/Desktop/HAT/iot-test-publish $
na@raspberry:~/Desktop/HAT/iot-test-publish $ ls
tificates
na@raspberry:~/Desktop/HAT/iot-test-publish $ cd certificates
na@raspberry:~/Desktop/HAT/iot-test-publish/certificates $
na@raspberry:~/Desktop/HAT/iot-test-publish/certificates $ pip install awsiots
oking in indexes: https://pypi.org/simple, https://www.piwheels.org/simple
quirement already satisfied: awsiotsdk in /home/anna/.local/lib/python3.9/site
ackages (1.0.0.dev0)
quirement already satisfied: awscrt==0.16.0 in /home/anna/.local/lib/python3.9
ite-packages (from awsiotsdk) (0.16.0)
na@raspberry:~/Desktop/HAT/iot-test-publish/certificates $
```

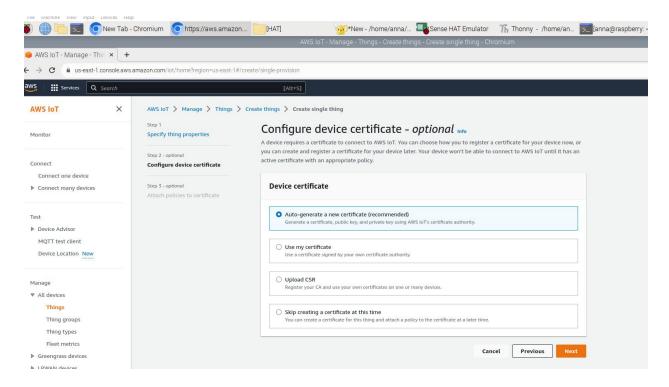


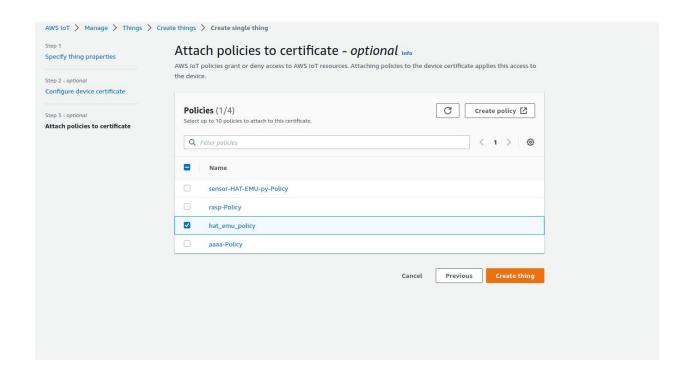












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