Argus Box Device Configuration Steps

1. Set up a virtual environment for Python on the Raspberry Pi being used for the Argus Box (make sure the environment still shares the existing libraries with the systemwide environment).
2. Create a thing for the Argus Box in AWS IoT core and download the connection kit.
3. Run the connection kit using the start.sh script to install the AWS IoT Python SDK v2 on the Pi.
4. Create an IAM user for the Pi to generate an access key.
5. Install AWS CLI and use the access key and secret key to access AWS S3.
6. Install Boto3 API to enable communication with s3 Bucket.
7. Delete the original pubsub.py
8. Place the modified pubsub.py alongside SmartSafe.py, Solenoid.py, tilt_switch.py, Keypad.py, and LCD.py in the samples folder of the SDK.
9. Run **python3 pubsub.py --endpoint a4pn57g2itx4k-ats.iot.us-east-1.amazonaws.com --ca_file root-CA.crt --cert SmartSafe.cert.pem --key SmartSafe.private.key --client_id basicPubSub --topic sdk/test/python --count 0** in the samples folder