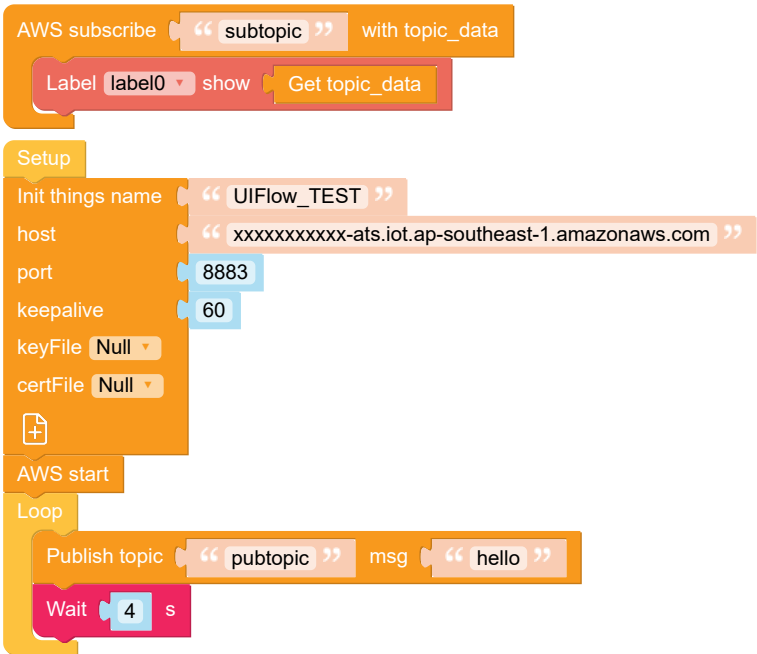


AWS

创建产品与设备

使用 UIFlow AWS 功能前请通过 [AWS Management Console](#) 完成产品和设备的创建。

案例程序



```

from m5stack import *
from m5stack_ui import *
from uiflow import *
from IoTcloud.AWS import AWS
import time

screen = M5Screen()
screen.clean_screen()
screen.set_screen_bg_color(0xFFFFFF)

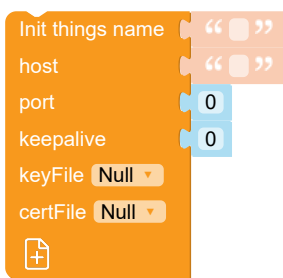
label0 = M5Label('Text', x=40, y=42, color=0x000, font=FONT_MONT_38, parent=None)
label1 = M5Label('Text', x=43, y=134, color=0x000, font=FONT_MONT_38, parent=None)

def fun_subtopic_(topic_data):
    # global params
    label0.set_text(str(topic_data))
    pass

aws = AWS(things_name='UIFlow_TEST', host='', xxxx-ats.iot.ap-southeast-1.amazonaws.com',
port=8883, keepalive=60, cert_file_path="/flash/res/certificate.pem.crt",
private_key_path="/flash/res/private.pem.key")
aws.subscribe(str('subtopic'), fun_subtopic_)
aws.start()
while True:
    aws.publish(str('pubtopic'),str('hello'))
    wait(4)
    wait_ms(2)

```

功能说明



```

from IoTcloud.AWS import AWS
aws = AWS(things_name='', host='', port=0, keepalive=0, cert_file_path='',
private_key_path='')

```

- 初始化客户端信息：
 - 点击初始化 block 的添加按钮，依次导入设备证书(Device certificate)+设备私钥(Private Key File), 注意： 默认的密钥和证书文件名过长，尽可能将其进行修改为较短的字符串

- things name 为我们的创建的设备名称，需要与 AWS Management Console 中的名称保持一致
- 复制 AWS Management Console->Settings 中的 Endpoint 字段，将其填入到 HOST 参数中
- 端口参数我们使用 MQTT 服务端口8883
- keepalive 为60
- 有关更多服务端口信息请参考 [AWS 官方文档](#) .

AWS start

```
aws.start()
```

- 启用客户端连接

```
Publish topic " " msg " "
```

```
aws.publish(topic,msg)
```

- 消息发布

```
AWS subscribe " " with topic_data  
Get topic_data
```

```
def fun_subtopic_(topic_data):  
    # global params  
    print(topic_data)  
    pass
```

- 消息订阅回调函数