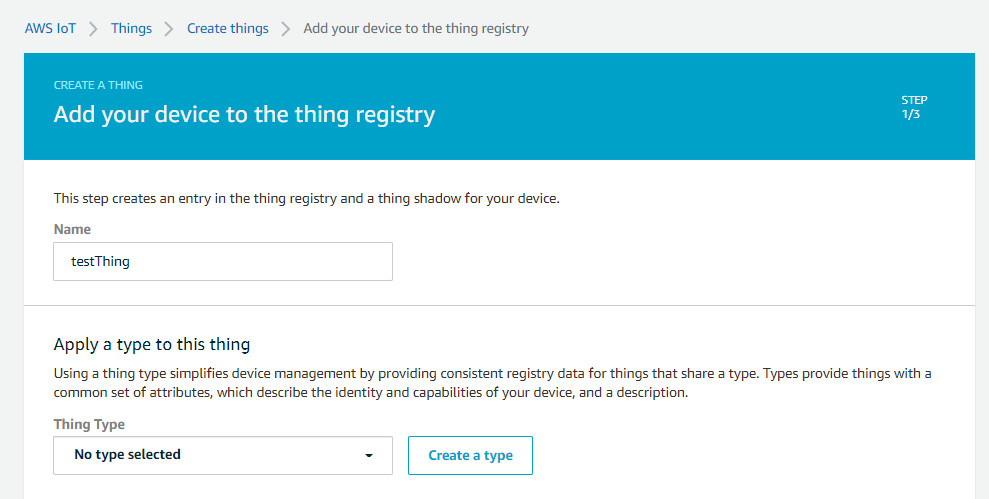
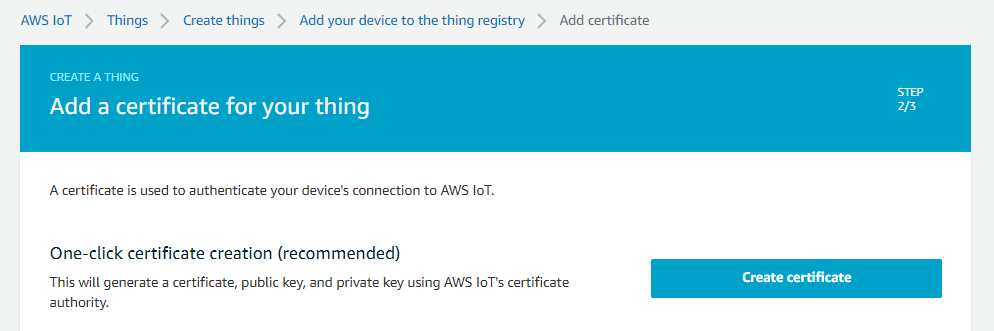
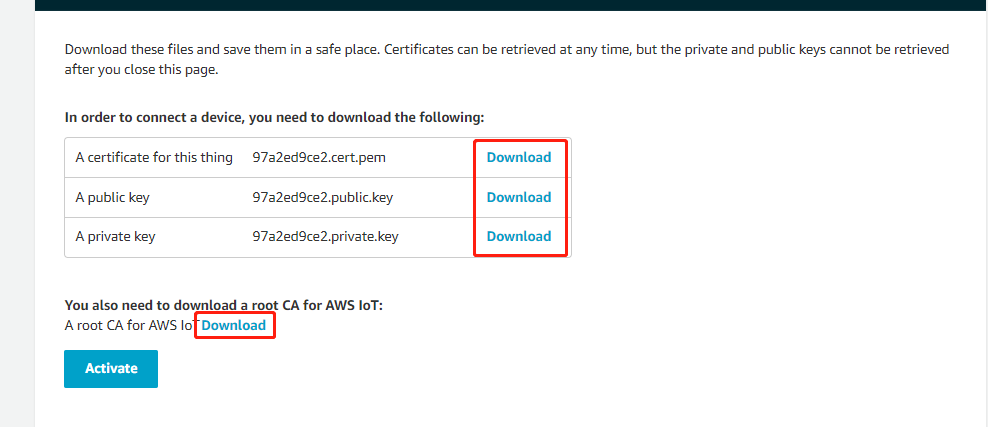
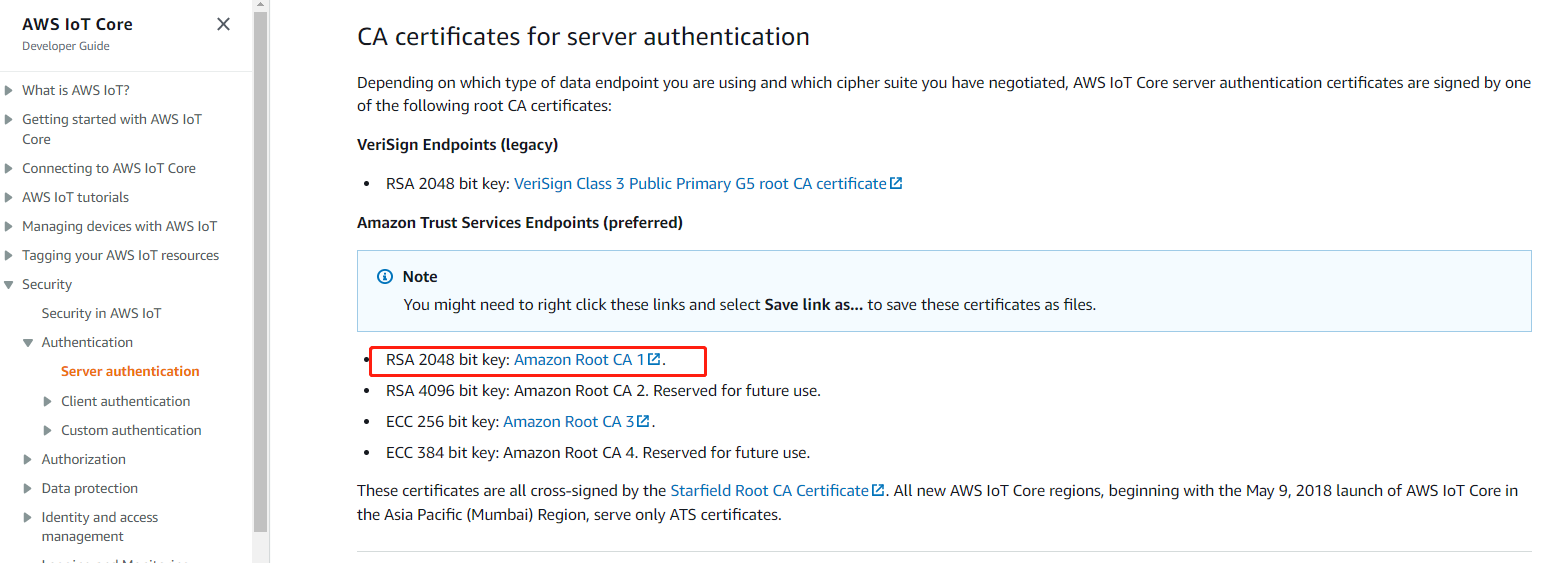
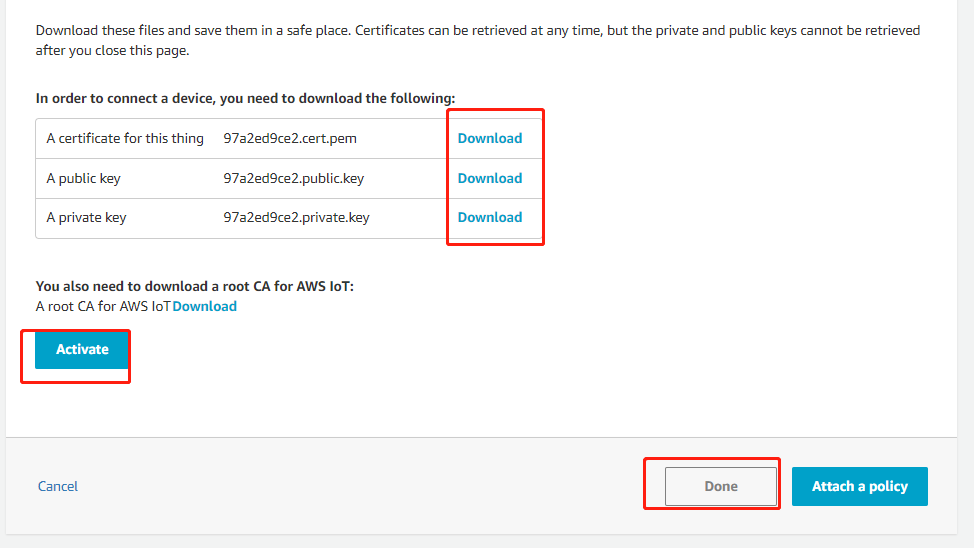
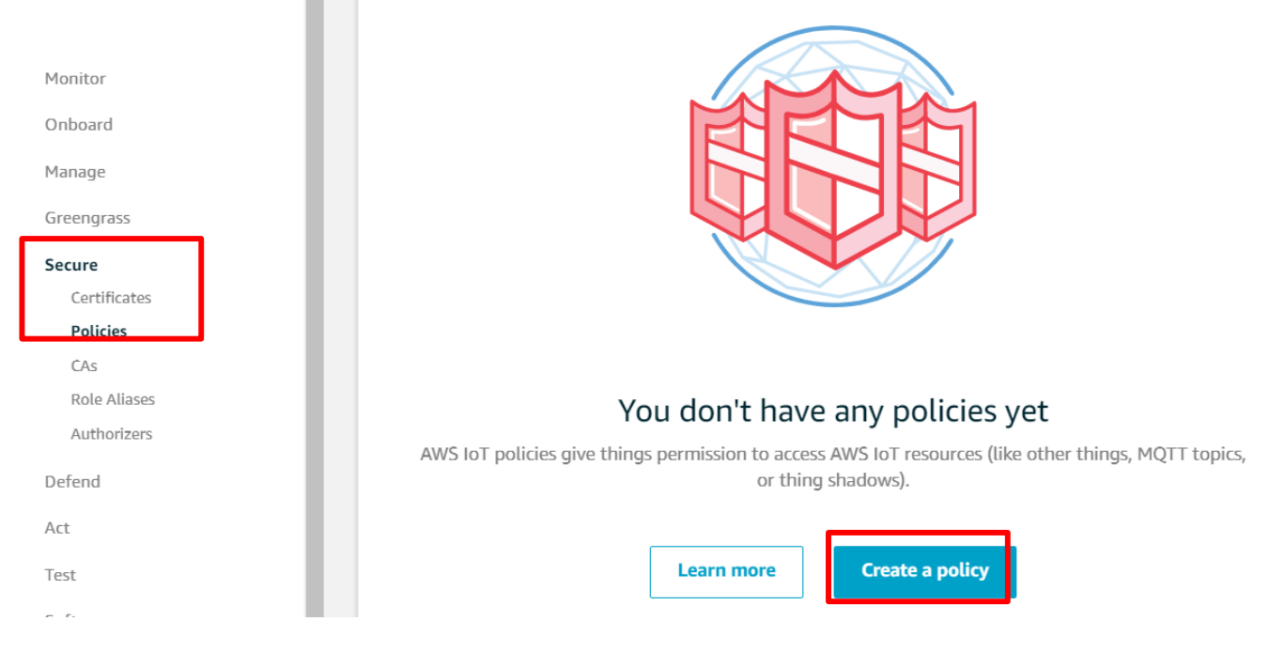
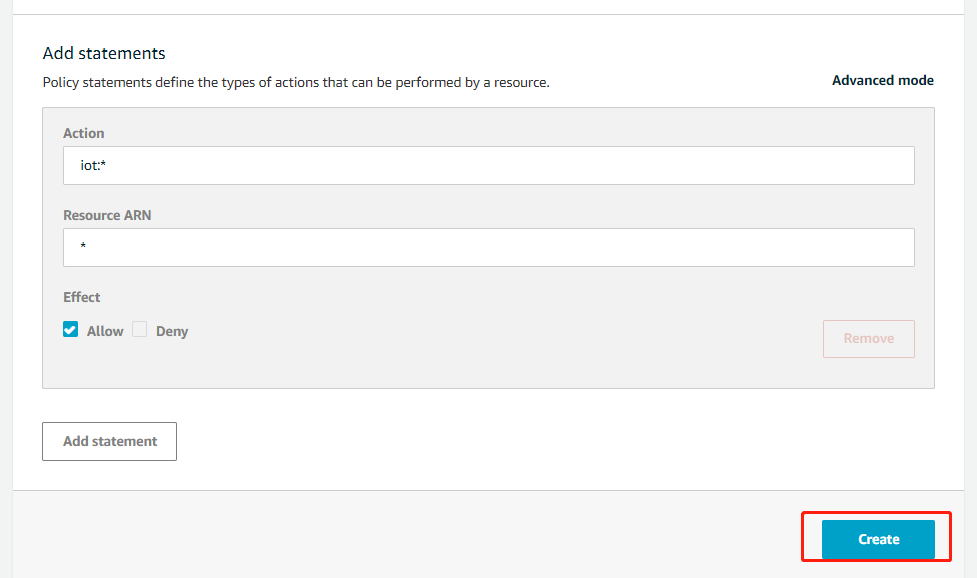
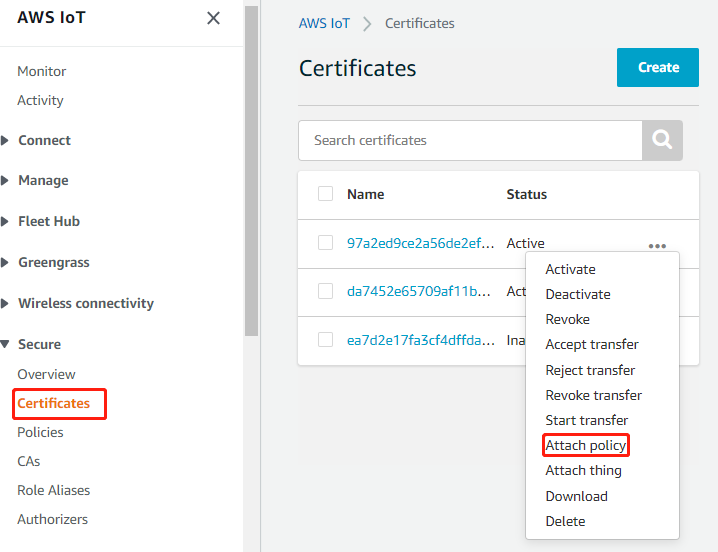
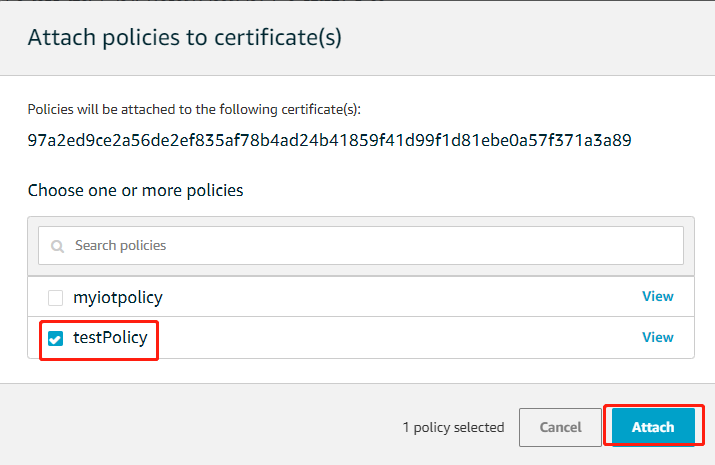
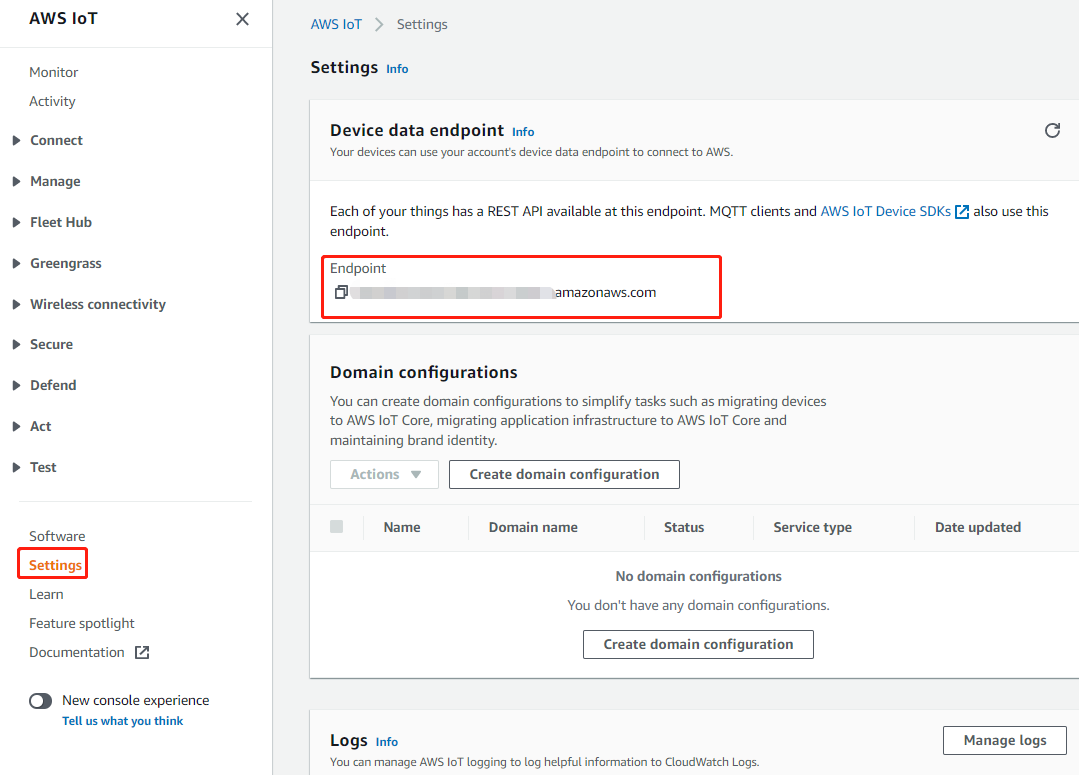
# Setting up AWS IoT Core A. Visit AWS IoT Core Console and select Manage - Things from the left menu, then click Register a thing button. B. Click Create a single thing button. C. Type “testThing” in the Name filed, then scroll down and click Next button.

  
**D. Click Create certificate button** **E. Download all of files and save them in a safe place. Make sure that you download private key and public key as they cannot be retrieved after you close this page.** **F. Regarding root CA for AWS IoT, download RSA 2048 bit key: Amazon Root CA 1.** **G. After making sure you have downloaded private key and public key (and certificate and Amazon root CA), scroll down and click Activate button, then click Done button.** **H. Select Secure - Policies from left menu and click Create policy button.** **I. Type “iot:\*” in the Action filed, “\*” in the Resource ARN field, check Allow and click Create button.** **J. Click Secure - Certificates from left menu then click three dots menu on your certificate, and then click Attach policy.** **K. Check testPolicy you just created and click Attach button.**  
**L.** Checking Your AWS EndpointVisit AWS IoT Core Console and select Settings from the left menu, then copy the Endpoint. You need this in later sections.  


**How to use the demo**

1. According to the [AWS IoT Development Guide](https://docs.aws.amazon.com/iot/latest/developerguide/iot-gs.html), the developer shall obtain:

xxx.cert.pem

xxx.private.key

AmazonRootCA1.pem

xxx-ats.iot.us-east-2.amazonaws.com(endpoint)

Download the above certificate to replace the certificate and host in aws\_test\_cert.h

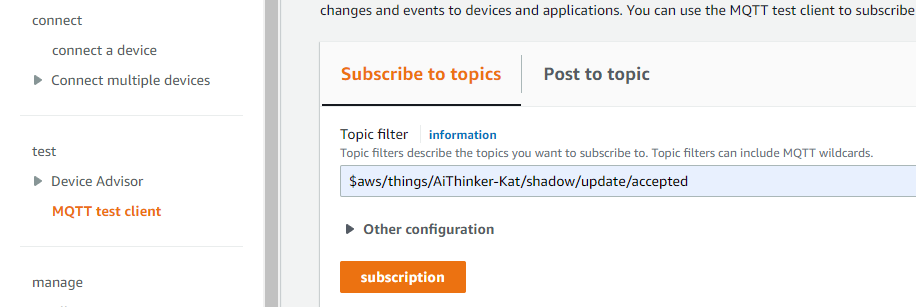
1. set your ssid and password in main.c

#define ROUTER\_SSID "your ssid"

#define ROUTER\_PWD "your password"

1. Subscribe

Subscribe to the topic "$aws/things/AiThinker-Kat/shadow/update" in the MQTT test client.



1. Publish

Publish to the topic "$aws/things/AiThinker-Kat/shadow/update/accepted" in the MQTT test client.

