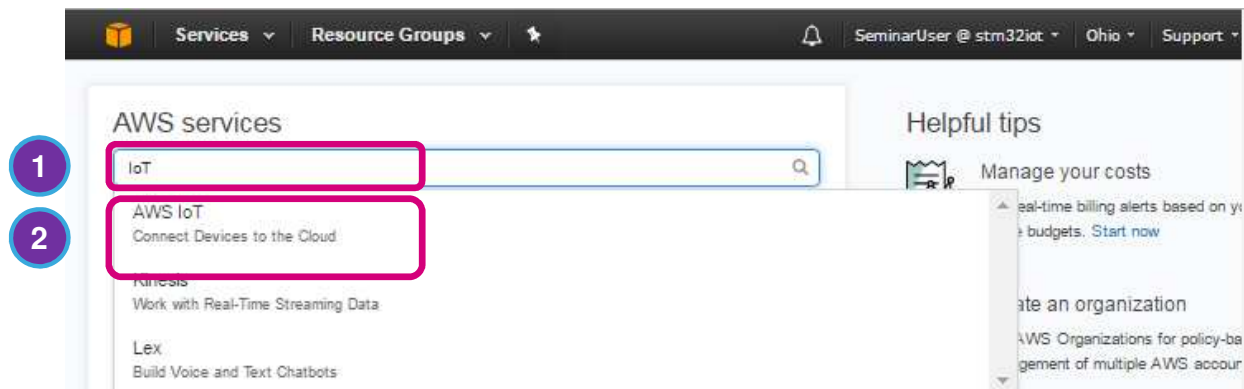# Creating a device on AWS

- Sign in to AWS IoT

aws.amazon.com/iot
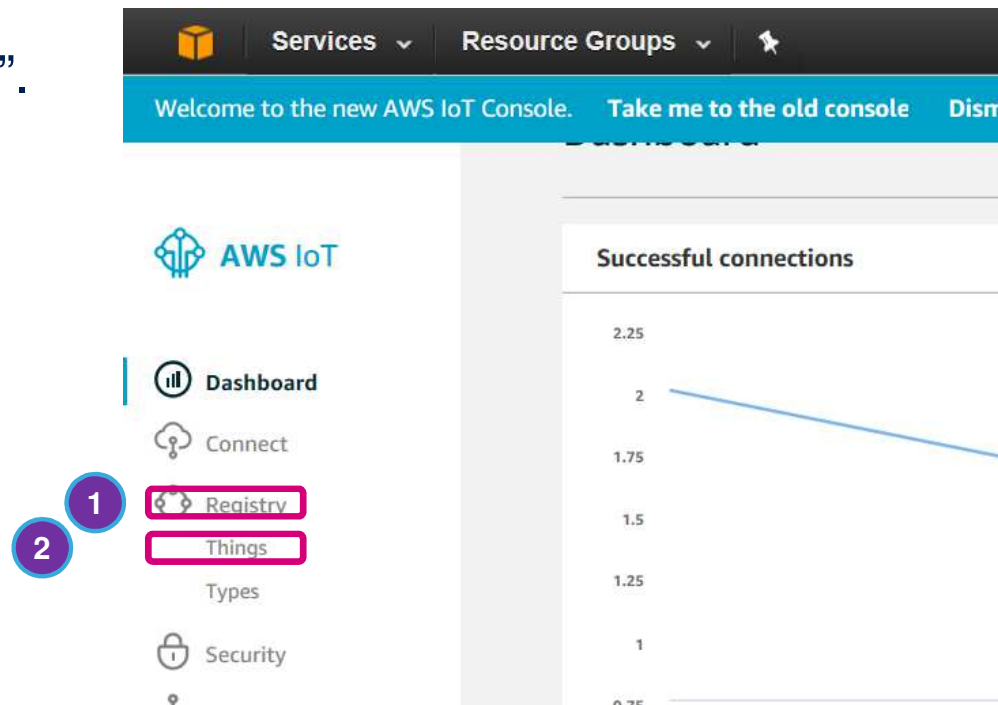
Open AWS IoT Service

1. Connect to the AWS IoT service by typing AWS IoT in the AWS services search bar.

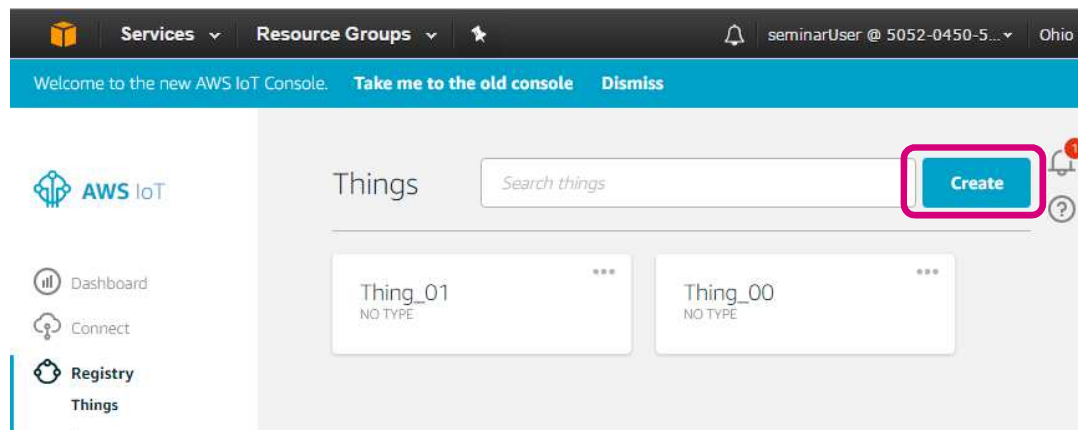2. Click on AWS IoT.

Create a thing (1/3)

1. Start creating your device by selecting "Registry".

2. Then select "Things".

Create a thing (2/3)

- Click the "Create" button on the top right.

Create a thing (3/3)

1. Name your Thing. (You need to remember your thing name as it will be used later)

2. Click "Create thing".

Create a certificate (1/4)
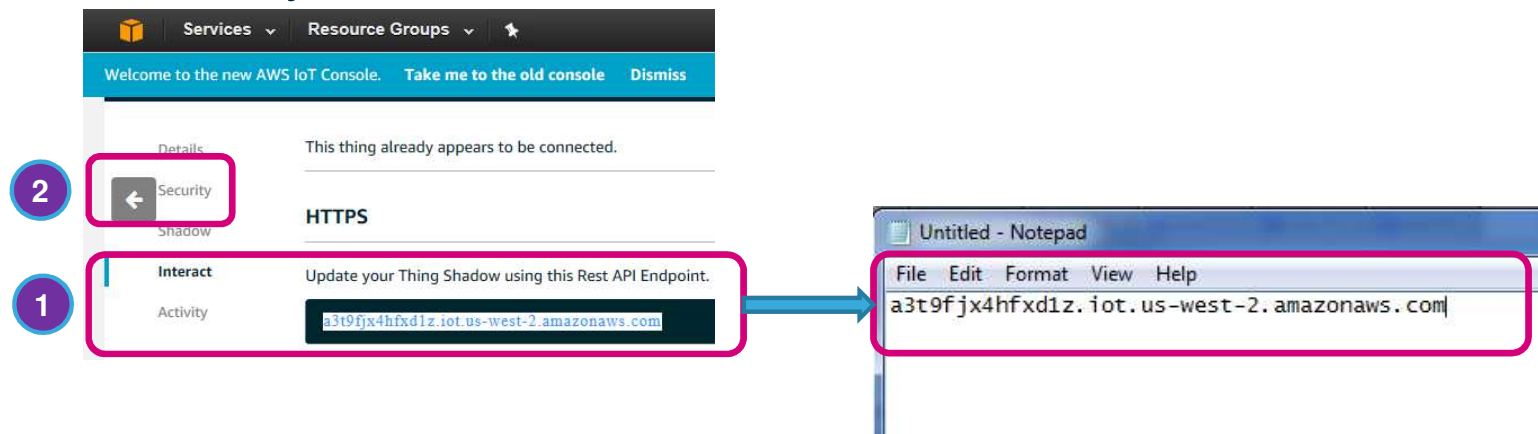
- Your thing has now been created. Select "Interact".
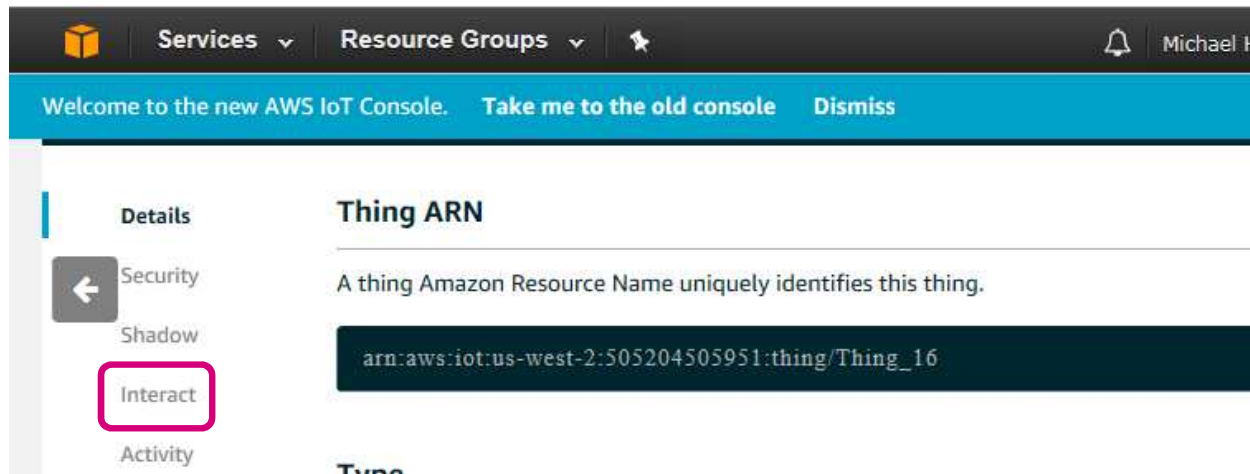
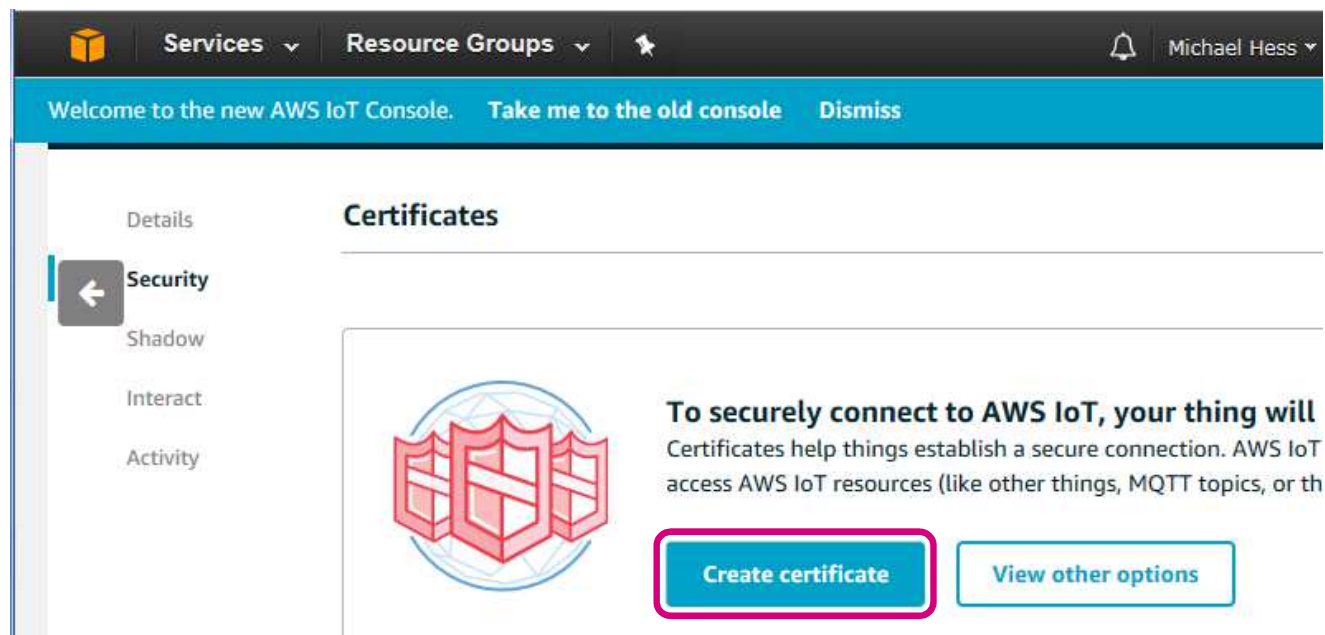1. Copy the Rest API Endpoint information to a text file. We'll need this later during the firmware configuration.

2. Then, click "Security"

- Click "Create certificate".

Create a certificate (4/4)

1. Copy the certificate number to text file (just the number not the full name),

2. Save the following files:

   A. Thing certificate (xxxxx.cert.pem),

   B. Private key (xxxxx.private.key),

   C. root CA (Right click on Download then save link as),

3. Click Activate to activate the certificate.

Create a policy (1/4)

- Attach a policy to your device by clicking "Attach a policy".

- Click "Create new policy".

1. Name your policy

2. Under Action, type "iot:*"

3. Under Resource ARN, type "*"

4. Click "Allow"

5. Click "Create".

Create a policy (4/4)

- Your policy has now been created.

- Click the gray arrow.
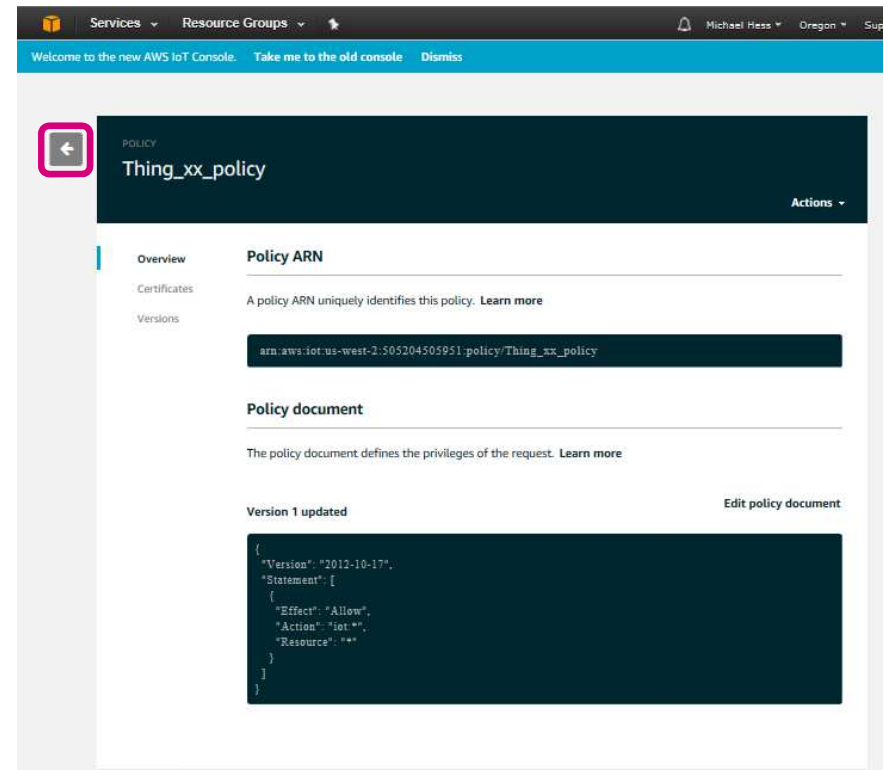
Attach a policy (1/5)

- Select "Certificates" under the "Security" menu.

Attach a policy (2/5)

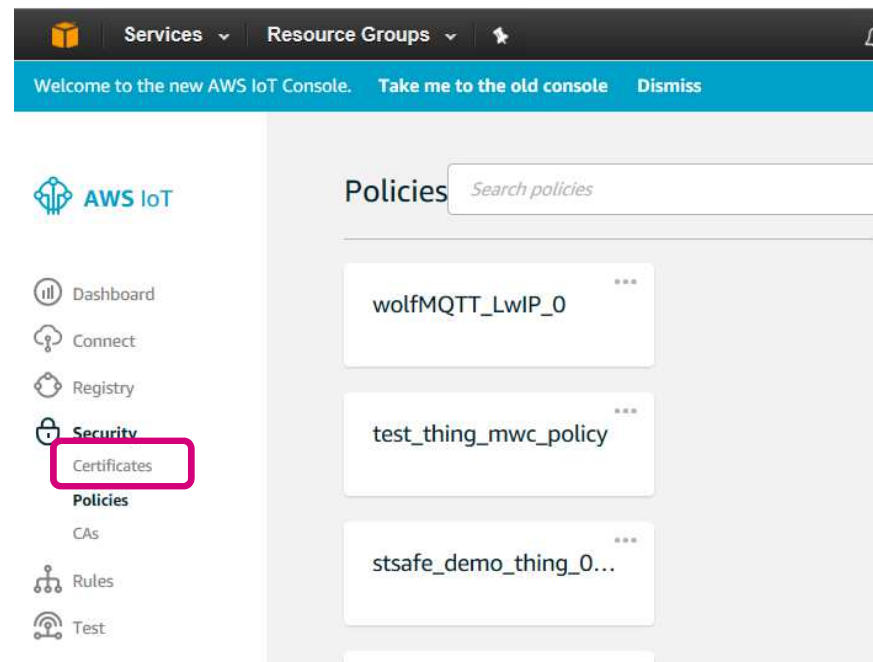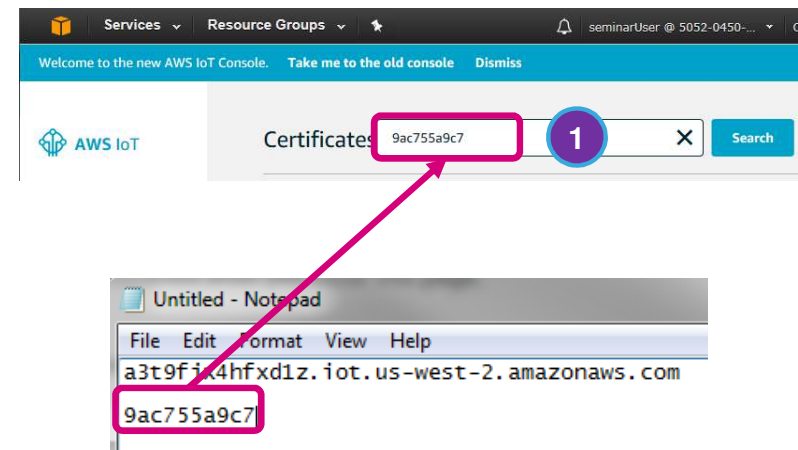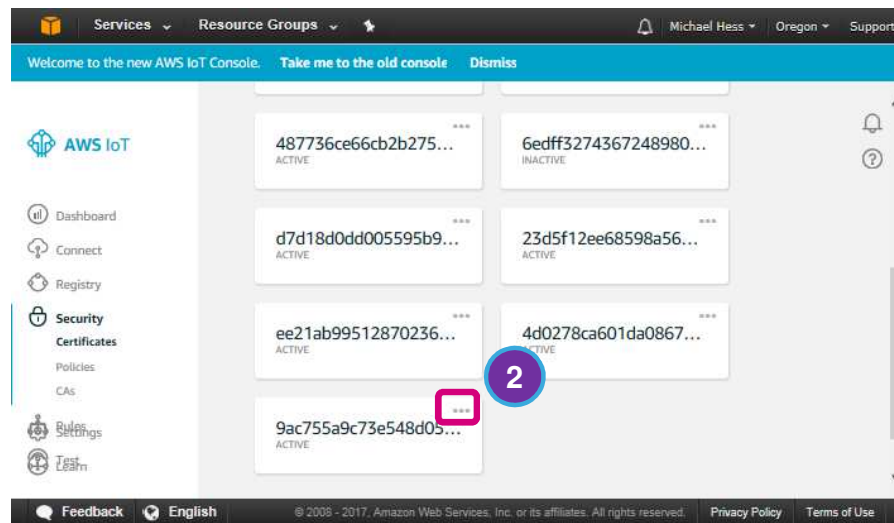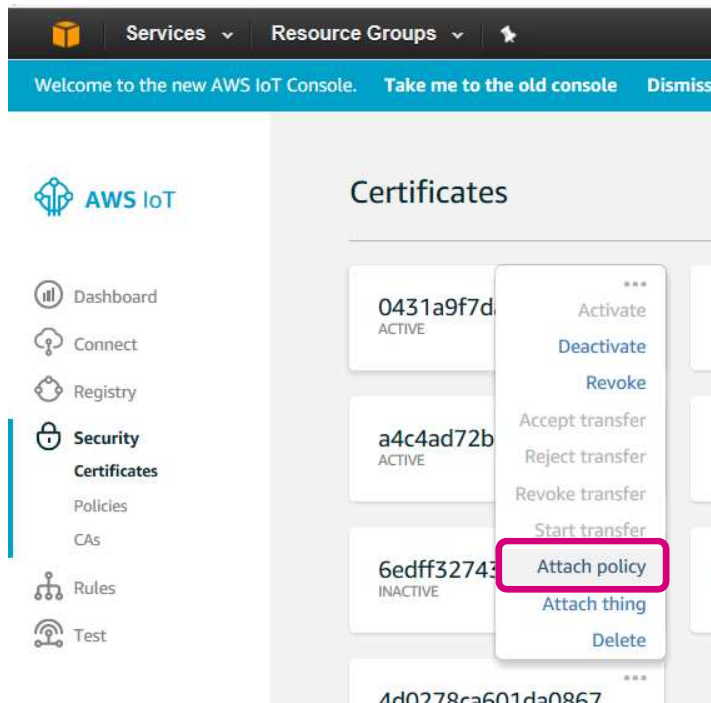1. Use the search bar to locate your certificate using the certificate number.

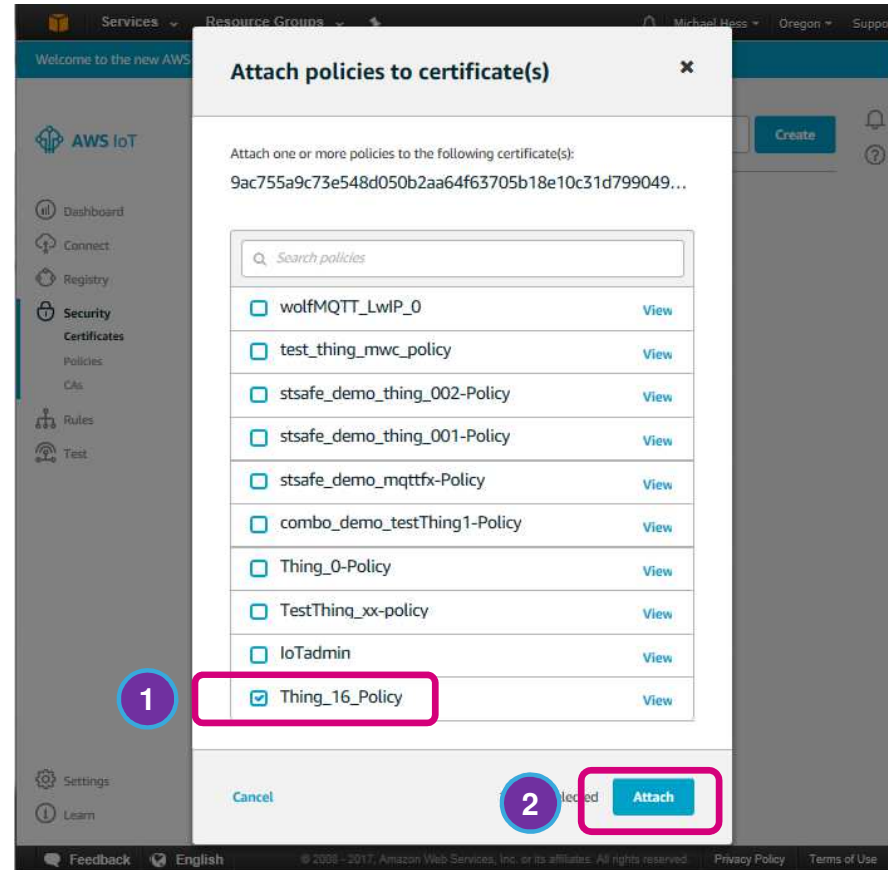2. Click the "…" in the top right corner of your certificate.

Attach a policy (3/5)

- Click "Attach policy".

Attach a policy (4/5)

1. Select your policy,

2. Click "Attach".

Attach a policy (5/5)

- Your policy has now been attached to your device certificate.

- We are done with the Thing creation on AWS.

- Next is Firmware configuration.