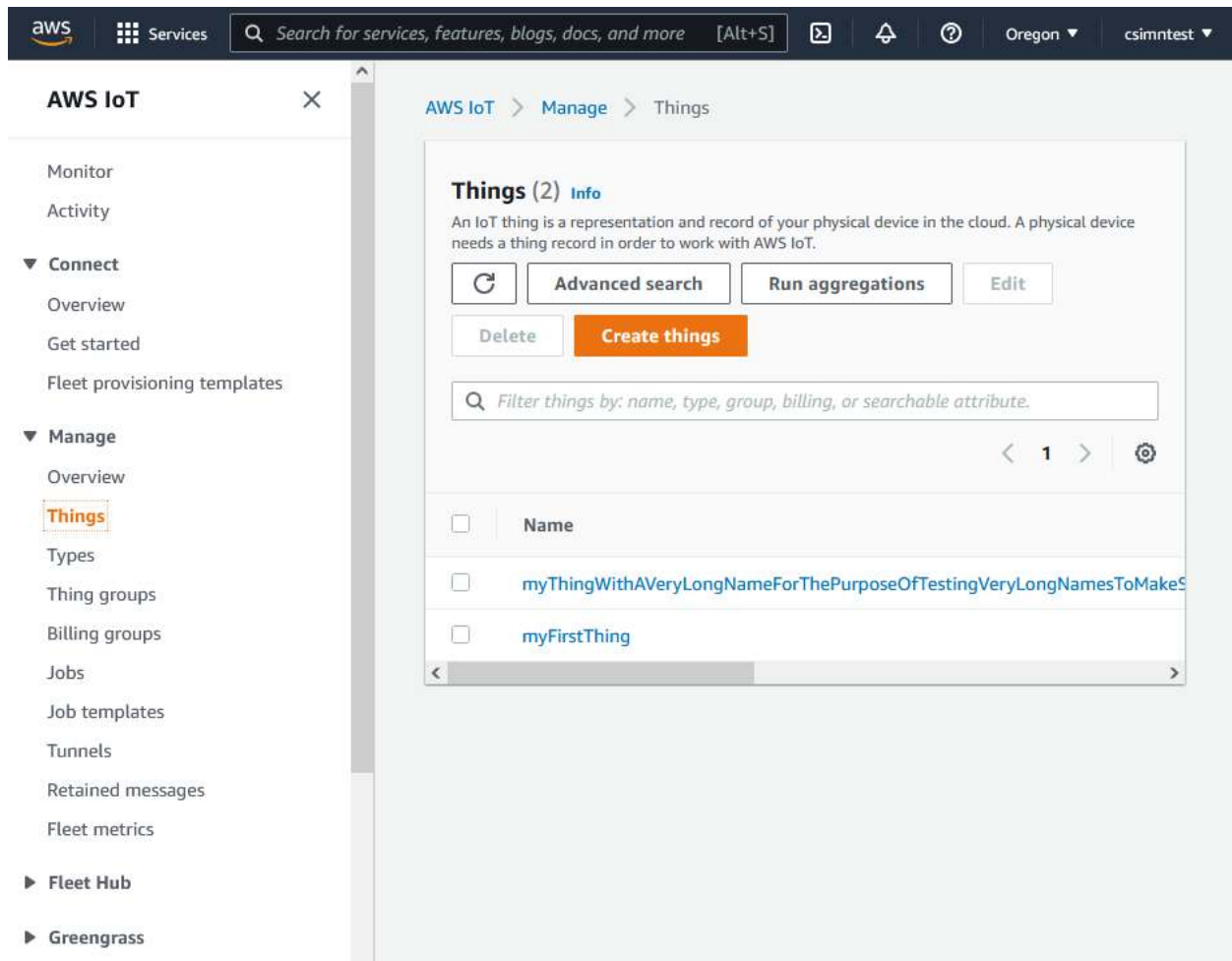


Creating Thing Certificates

AWS keeps "improving" their web UI so the appearance of the IoT dashboard keeps changing. Constantly changing the user interface does not improve the overall user experience but Amazon doesn't seem to see it that way. Here is the latest (as of 4/30/2022) view of how IoT Thing certificates are created.

To create certificates for a Thing, log into your AWS account, and search for "IoT Core". You should come to the menu shown on the left below. Click on Things.



The screenshot shows the AWS IoT console interface. At the top, there's a navigation bar with the AWS logo, a search bar, and the region 'Oregon'. The left sidebar is titled 'AWS IoT' and contains a menu with categories: Monitor, Activity, Connect, Manage, Fleet Hub, and Greengrass. Under 'Manage', the 'Things' option is highlighted. The main content area shows the 'Things (2)' page with a description: 'An IoT thing is a representation and record of your physical device in the cloud. A physical device needs a thing record in order to work with AWS IoT.' Below the description are buttons for 'Advanced search', 'Run aggregations', 'Edit', 'Delete', and 'Create things'. A search filter is present: 'Filter things by: name, type, group, billing, or searchable attribute.' Below the filter is a table with two items:

<input type="checkbox"/>	Name
<input type="checkbox"/>	myThingWithAVeryLongNameForThePurposeOfTestingVeryLongNamesToMakeS
<input type="checkbox"/>	myFirstThing

Click on your Thing from the list, and then select the Certificates tab. Then click the Create certificate button.

The screenshot shows the AWS IoT console interface. On the left is a navigation sidebar with categories like Monitor, Connect, Manage, Fleet Hub, Greengrass, Wireless connectivity, and Secure. The 'Manage' section is expanded to show 'Things', which is highlighted. The main content area shows the details for a Thing named 'myFirstThing'. Below the details, there are tabs for 'Attributes', 'Certificates', 'Thing groups', and 'Device Shadows'. The 'Certificates' tab is active, displaying a 'Create certificate' button and a search bar for certificates. A table below shows one certificate with its ID: e055c53465d3d5cdde69ba776ad585dfa81ff930a6a47bcd155b4d44d1a0ef7c.

myFirstThing Info Edit Delete

Thing details

Name	myFirstThing	Type	-
ARN	arn:aws:iot:us-west-2:314429653841:thing/myFirstThing	Billing group	-

< **Attributes** **Certificates** **Thing groups** **Device Shadows** >

Certificates (1) Info
The device certificates attached to this thing resource.

Refresh Detach Create certificate

< 1 > Settings

<input type="checkbox"/>	Certificate ID	
<input type="checkbox"/>	e055c53465d3d5cdde69ba776ad585dfa81ff930a6a47bcd155b4d44d1a0ef7c	

The certificates will be created, and it will require you to download the public and private key files before you can click Done. Download one Root CA file as well while you're here.

Download certificates and keys ✕

Download certificate and key files to install on your device so that it can connect to AWS.


Device certificate



You can activate the certificate now, or later. The certificate must be active for a device to connect to AWS IoT.

Device certificate 9fbd708b0ed...te.pem.crt	<button>Activate certificate</button>	<button>Download</button>
--	---------------------------------------	---------------------------

Key files

The key files are unique to this certificate and can't be downloaded after you leave this page. Download them now and save them in a secure place.


 This is the only time you can download the key files for this certificate.

Public key file 9fbd708b0edb76aca5b6ed7...63c1c64-public.pem.key	<button>Download</button>  Key downloaded
Private key file 9fbd708b0edb76aca5b6ed7...3c1c64-private.pem.key	<button>Download</button>  Key downloaded

Root CA certificates

Download the root CA certificate file that corresponds to the type of data endpoint and cipher suite you're using. You can also download the root CA certificates later.

Amazon trust services endpoint RSA 2048 bit key: Amazon Root CA 1	<button>Download</button>
Amazon trust services endpoint ECC 256 bit key: Amazon Root CA 3	<button>Download</button>

If you don't see the root CA certificate that you need here, AWS IoT supports additional root CA certificates. These root CA certificates and others are available in our developer guides. [Learn more](#) 

Done