

console.aws.amazon.com/iot/home?region=us-east-1#/thinghub

Services ▾

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IOTDevRole N. Virginia Support ▾

AWS IoT

Introducing the new AWS IoT console experience
We're updating the console experience for you. Try the new experiences and [let us know what you think](#). You can turn off the new experience from the navigation menu.

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AWS IoT > Things



You don't have any things yet
A thing is the representation of a device in the cloud.

[Learn more](#) [Register a thing](#)

Under Manage - > Things

Click on Register a thing

Feedback English (US) ▾

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Show All X

AWS IoT - Things - Create thing | x

console.aws.amazon.com/iot/home?region=us-east-1#/create/provisioning

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Services

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AWS IoT > Things > Create things

Creating AWS IoT things

An IoT thing is a representation and record of your physical device in the cloud. Any physical device needs a thing record in order to work with AWS IoT. [Learn more](#).

Register a single AWS IoT thing
Create a thing in your registry

Create a single thing

Bulk register many AWS IoT things
Create things in your registry for a large number of devices already using AWS IoT, or register devices so they are ready to connect to AWS IoT.

Create many things

Create a single thing

Cancel

Click on create a single thing

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CREATE A THING

Add your device to the thing registry

STEP
1/3

This step creates an entry in the thing registry and a thing shadow for your device.

Thing Name

mydevice

Apply a type to this thing

Using a thing type simplifies device management by providing consistent registry data for things that share a type. Types provide things with a common set of attributes, which describe the identity and capabilities of your device, and a description.

Thing Type

No type selected v

Create a type

Add this thing to a group

Adding your thing to a group allows you to manage devices remotely using jobs.

Thing Group

Groups /

Create group

Change

Set searchable thing attributes (optional)

Enter a value for one or more of these attributes so that you can search for your things in the registry.

Attribute key

Provide an attribute key, e.g. Manufacturer

Value

Provide an attribute value, e.g. Acme-Corporation

Clear

Add another

Show thing shadow v

Cancel

Back

Next

Call the device as **mydevice**

Click on **Next**



CREATE A THING

Add a certificate for your thing

STEP
2/3

A certificate is used to authenticate your device's connection to AWS IoT.

One-click certificate creation (recommended)

This will generate a certificate, public key, and private key using AWS IoT's certificate authority.

Create certificate

Create with CSR

Upload your own certificate signing request (CSR) based on a private key you own.

Create with CSR

Use my certificate

Register your CA certificate and use your own certificates for one or many devices.

Get started

Skip certificate and create thing

You will need to add a certificate to your thing later before your device can connect to AWS IoT.

Create thing without certificate

Click on **Get started**

Select the CA that you already registered with IOT Core

CREATE A THING

Select a CA

STEP 2/5

In order to use your own certificates for one or many devices, you must use a registered CA certificate.

Registered CAs

Search CA certificate

7056ce44c773d411fcc1c94a943c4569752934d3923f56a61a0cce8d11c1e703

[View](#)

Register CA

[Cancel](#)

[Next](#)

CREATE A THING

Upload a device certificate

STEP 2/5

You can register a device certificate signed by your CA certificate to associate with this thing. Note that you must first register your CA certificate before uploading device certificates.

Existing certificates

You have not selected any device certificates to upload yet.

Select certificates

Cancel

Next

Click on Select certificates and upload the **device_cert.pem** that you downloaded earlier from the S3 bucket

Isengard AWS IoT Your environments

console.aws.amazon.com/iot/home?region=us-east-1#/create/single-provision

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CREATE A THING

Upload a device certificate

STEP 2/3

You can register a device certificate signed by your CA certificate to associate with this thing. Note that you must first register your CA certificate before uploading device certificates.

Existing certificates

	Activate all
device_cert.pem	<input checked="" type="radio"/> Remove

Select certificates

Cancel Next

Click on the Activate all radio button and select it. The **Activate all** should change to **Deactivate all**



Services

Resource Groups



IOTDevRole

N. Virginia

Support



CREATE A THING

Add a policy for your thing

STEP
3/3

Select a policy to attach to this certificate:

Search policies

☒ alexa_temperature_policy

View

1 policy selected

Register Thing

Select the policy named
alexa_temperature_policy

Click on **Register Thing**

AWS IoT - Things

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Success
Successfully registered your thing

AWS IoT > Things

Things

Create

Search things

Fleet Indexing Info

<input type="checkbox"/> Name	Type
<input type="checkbox"/> mydevice	NO TYPE ***

You should see **mydevice** as shown in this screen shot

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