


 Services ▾ Resource Groups ▾  Global ▾ Support ▾


Create role


1 2 3

Select type of trusted entity

**AWS service**
EC2, Lambda and others

**Another AWS account**
Belonging to you or 3rd party

**Web identity**
Cognito or any OpenID provider

**SAML 2.0 federation**
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose the service that will use this role



EC2
Allows EC2 instances to call AWS services on your behalf.

Lambda
Allows Lambda functions to call AWS services on your behalf.






API Gateway	CodeDeploy	EMR	IoT	Rekognition
AWS Support	Config	ElastiCache	Kindle	S3
AppSync	DMS	Elastic Beanstalk	Lambda	SMS
Application Auto Scaling	Data Lifecycle Manager	Elastic Container Service	Lex	SNS
Application Discovery Service	Data Pipeline	Elastic Transcoder	Machine Learning	SWF
Auto Scaling	DeepLens	ElasticLoadBalancing	Macie	SageMaker
Batch	Directory Service	Glue	MediaConvert	Service Catalog
CloudFormation	DynamoDB	Greengrass	OpsWorks	Step Functions
CloudHSM	EC2	GuardDuty	RDS	Storage Gateway


* Required

Cancel **Next: Permissions**


 Feedback  English (US)

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**Services** ▾ **Resource Groups** ▾ 🔍 🔔

N. Virginia ▾ **Support** ▾



Monitor

Onboard

Manage

Greengrass

Secure

Defend


Act

Test

Software

Settings

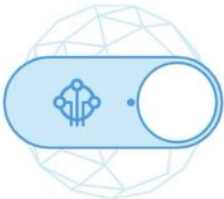
Learn



Configuring a device

Connect a device or your computer to AWS IoT using the connection wizard for AWS IoT Device SDKs.

[Get started](#)




AWS IoT Button

The AWS IoT Button is a single-purpose device that sends a message to AWS IoT with a press of a button.

[Configure a button](#)

Don't have a button? [Buy one](#)



AWS IoT Starter Kit


Browse AWS IoT Starter Kits that were made for connecting to AWS IoT and getting started with the service.

[Browse starter kits](#)

<http://console.aws.amazon.com/iot/home?region=us-east-1#/connectdevice/> © 2008 - 2018, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

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 Services ▾ Resource Groups ▾ ⬆

Hide optional configuration ▴

×

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

myController ▾ [Create a type](#)

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	Value
<input type="text" value="attachments"/>	<input type="text" value="sense_hat"/>
Attribute key	Value
<input type="text" value="power_source"/>	<input type="text" value="battery_9v"/>
Attribute key	Value
<input type="text" value="type"/>	<input type="text" value="raspberrypi_r3_bplus"/>

Set non-searchable thing attributes (optional)


You can use thing attributes to describe the identity and capabilities of your device.

Attribute key	Value
---------------	-------

Play

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✕

CONNECT TO AWS IOT

Download a connection kit

STEP 2/3

The following AWS IoT resources will be created:

A thing in the AWS IoT registry	myPi
A policy to send and receive messages	myPi-Policy Preview policy

The connection kit contains:

A certificate and private key	myPi.cert.pem, myPi.private.key
AWS IoT Device SDK	Python SDK
A script to send and receive messages	start.sh

Before your device can connect and publish messages, you will need to download the connection kit.

Download connection kit for

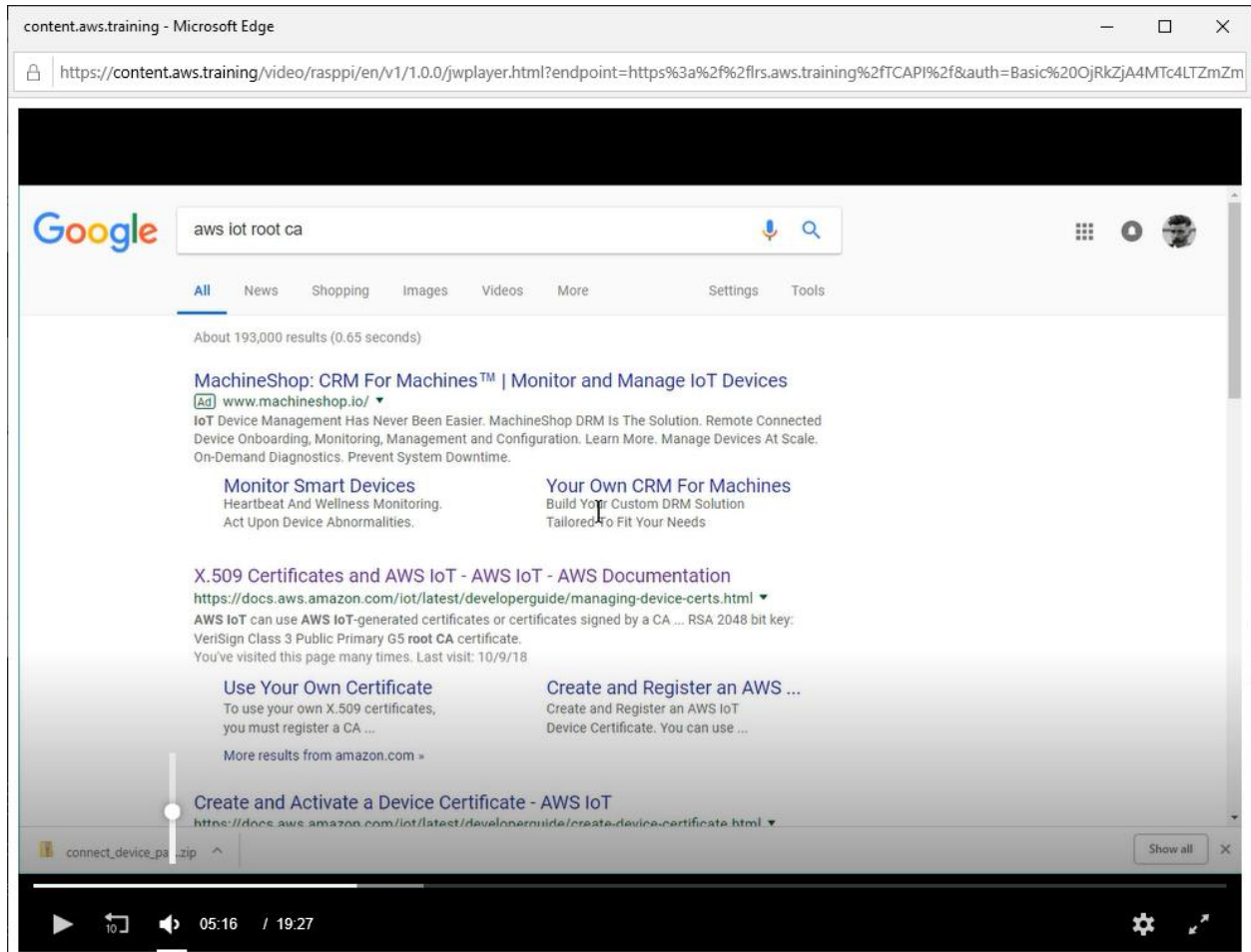
[Linux/OSX](#)

Feedback English (US)

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Rewind 10 Seconds

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content.aws.training - Microsoft Edge

https://content.aws.training/video/rasppi/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2ftcapi%2f&auth=Basic%20OjRkZjA4MTc4LTZmZm

aws

Search

What Is AWS IoT?

Getting Started with AWS IoT

AWS IoT Button Quickstarts

AWS IoT Rules Tutorials

AWS IoT SDK Tutorials

Managing Devices with AWS IoT

Security and Identity

AWS IoT Authentication

X.509 Certificates

X.509 Certificates and AWS IoT

Create and Register an AWS IoT Device Certificate

Use Your Own Certificate

IAM Users, Groups, and Roles

Server certificates allow your devices to verify that they're communicating with AWS IoT and not another server impersonating AWS IoT. AWS IoT server certificates are signed by one of the following CA certificates:

VeriSign Endpoints (legacy)

- RSA 2048 bit key: [VeriSign Class 3 Public Primary G5 root CA certificate](#)

Amazon Trust Services Endpoints (preferred)

- RSA 2048 bit key: [Amazon Root CA 1](#)
- RSA 4096 bit key: [Amazon Root CA 2](#)
- ECC 256 bit key: [Amazon Root CA 3](#)
- ECC 384 bit key: [Amazon Root CA 4](#)

We recommend that all customers create an Amazon Trust Services (ATS) endpoint and load these CA certificates onto their devices to avoid any issues with the upcoming widespread distrust by browsers of Symantec CAs (including VeriSign) in October 2018. For backward-compatibility reasons, we still support customers using these endpoints. Customers can create an ATS endpoint by calling the describe-endpoint API with the `iot:Data-ATS endpointType`. Devices operating on ATS endpoints are fully interoperable with devices operating on Symantec endpoints in the same account and do not require any reregistration.

connect_device_pa...zip

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