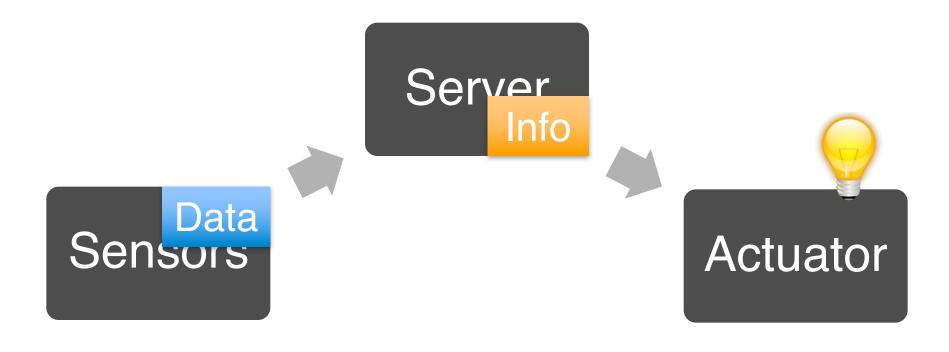
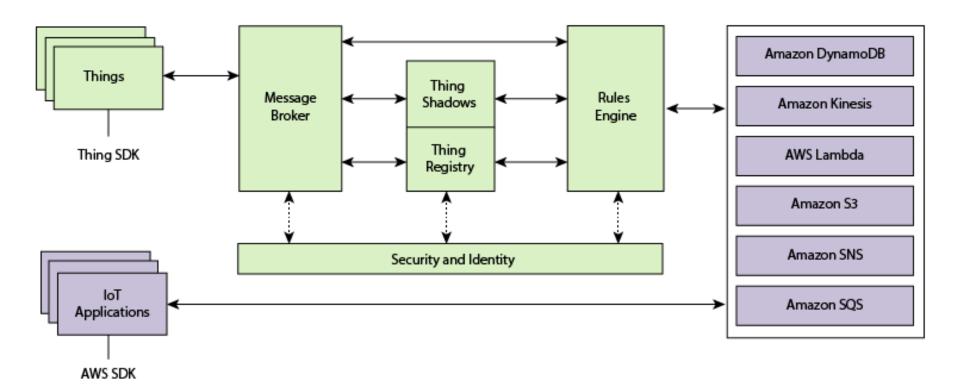


Centralized IoT Application



AWS IoT



Amazon Web Services

Compute

- Virtual Servers in the Cloud
- EC2 Container Service Run and Manage Docker Containers
- Elastic Beanstalk Run and Manage Web Apps
- Lambda Run Code in Response to Events

Storage & Content Delivery

- - Scalable Storage in the Cloud
- CloudFront
- Global Content Delivery Network
- Elastic File System Fully Managed File System for EC2
- Archive Storage in the Cloud
- Snowball

Developer Tools

- CodeCommit Store Code in Private Git Repositories
- CodeDeploy Automate Code Deployments
- CodePipeline Release Software using Continuous Delivery

Management Tools

- CloudWatch
- Monitor Resources and Applications
- CloudFormation Create and Manage Resources with Templates
- CloudTrail
- Track User Activity and API Usage
- Track Resource Inventory and Changes
- OpsWorks Automate Operations with Chef
- Service Catalog

Internet of Things



🔬 AWS IoT

Connect Devices to the Cloud

Game Development

GameLift

Deploy and Scale Session-based Multiplayer Games

Mobile Services



Mobile Hub

Build, Test, and Monitor Mobile Apps

CognitoUser Identity and App Data Synchronization

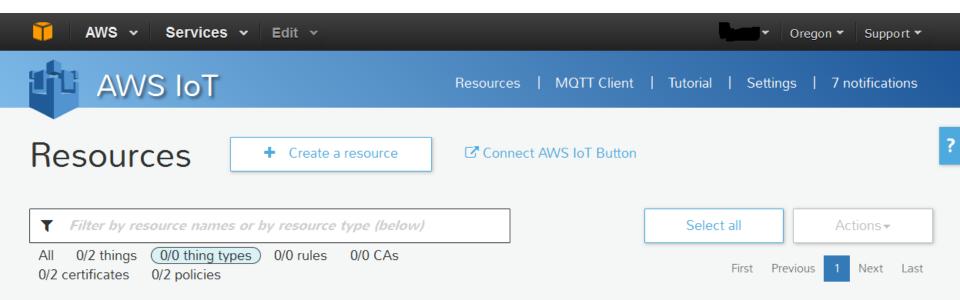


Test Android, iOS, and Web Apps on Real Devices in the

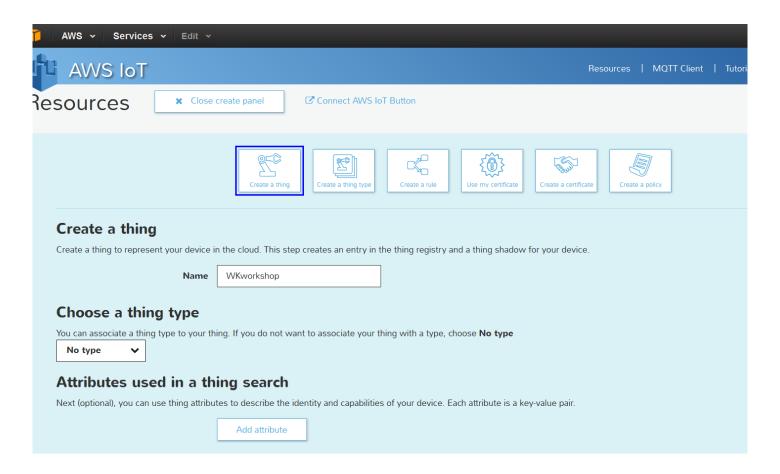
Mobile Analytics
Collect, View and Export App Analytics

Push Notification Service

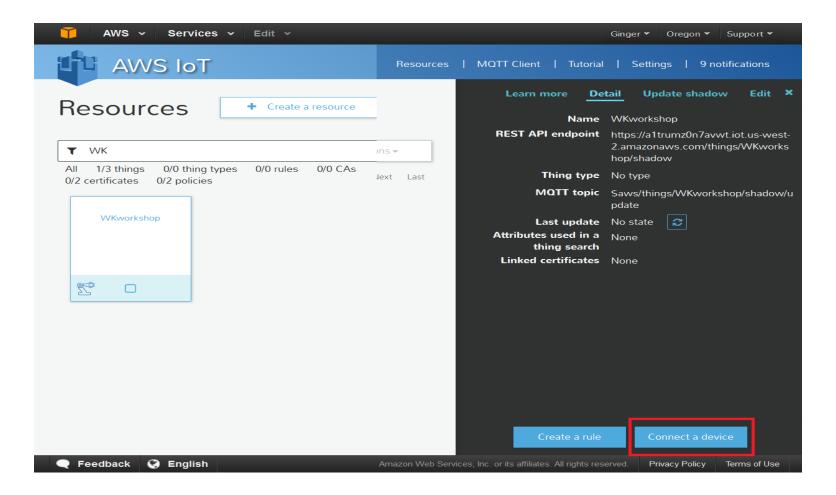
Usage of AWS loT



Usage of AWS loT



Usage of AWS IoT



Connect a device

Connect your device to one of our many supported SDKs.

- O Embedded C
- NodeJS
- O Arduino Yún

Please download these files and save them in a safe place. Certificates can be retrieved at any time, but the private and public keys will not be retrievable after closing this form.

- Download public key
- Download private key
- Download certificate

Confirm & start connecting

AWS IoT Python SDK

pip install AWSIoTPythonSDK

AWSIoTMQTTClient

This is the client class used for plain MQTT communication with AWS IoT. You can initialize and configure the client like this:

```
from AWSIoTPythonSDK.MQTTLib import AWSIoTMQTTClient

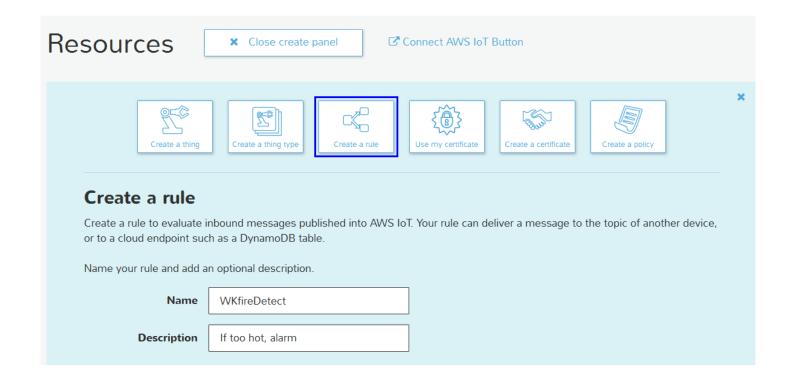
myMQTTClient = AWSIoTMQTTClient("myClientID")
myMQTTClient.configureEndpoint("YOUR.ENDPOINT", 8883)
myMQTTClient.configureCredentials("YOUR/ROOT/CA/PATH", "PRIVATE/KEY/PATH", "CERTIFICATE/PATH")
myMQTTClient.configureOfflinePublishQueueing(-1) # Infinite offline Publish queueing
myMQTTClient.configureDrainingFrequency(2) # Draining: 2 Hz
myMQTTClient.configureConnectDisconnectTimeout(10) # 10 sec
myMQTTClient.configureMQTTOperationTimeout(5) # 5 sec
```

AWS IoT Python SDK

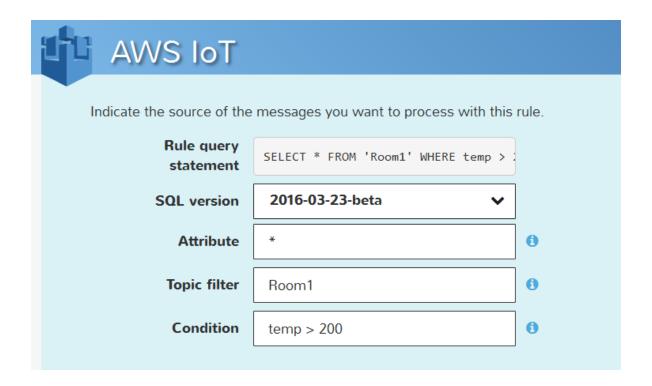
For basic MQTT operations, your script will look like this:

```
myMQTTClient.connect()
myMQTTClient.publish("myTopic", "myPayload", 0)
myMQTTClient.subscribe("myTopic", 1, customCallback)
myMQTTClient.unsubscribe("myTopic")
myMQTTClient.disconnect()
```

AWS IoT Rules Engine



AWS IoT Rules Engine



AWS IoT Rules Engine

