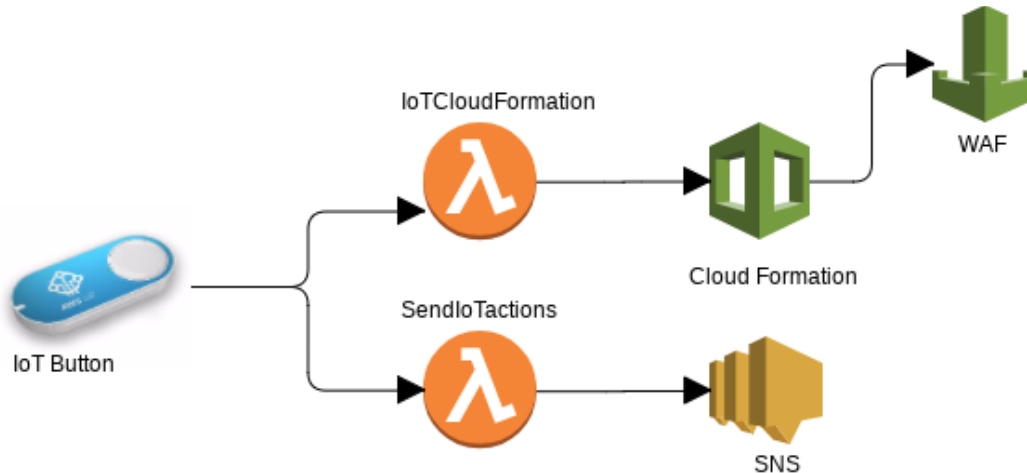


AWS IoT button triggers a Cloudformation

This project aims to deploy the IoT environment where the IoT button is a trigger for two lambda functions which create a WAF firewall and send a state notification.



Before to start you must create the IAM roles to allow deploy the services, then is necessary configure the IoT button “https://docs.aws.amazon.com/es_es/iot/latest/developerguide/configure-iot.html” after this action you have to create the two Lamda functions, this function are develop in node js.

Cloudformation creation

```
const AWS = require('aws-sdk');
const cloudformation = new AWS.CloudFormation({apiVersion: '2010-05-15'});

var stackName = process.env.STACK_NAME;
var templateUrl = process.env.TEMPLATE_URL;

exports.handler = function(event, context, callback) {
  if (event.clickType == 'DOUBLE') {
    cloudformation.deleteStack({
      StackName: stackName
    }, function(err, res) {
      callback(err);
    });
  } else if (event.clickType == 'SINGLE') {
    cloudformation.createStack({
      StackName: stackName,
      Capabilities: ['CAPABILITY_IAM'],
      Tags: [
        {
          Key: 'Name',
          Value: stackName
        }
      ],
      TemplateURL: templateUrl
    }, function(err, res) {
      callback(err);
    });
  }
}
```

```

});
} else {
  callback(new Error(`click type ${event.clickType} not supported`));
}
};

```

SebdToActions

```

const AWS = require('aws-sdk');
const cloudformation = new AWS.CloudFormation({apiVersion: '2010-05-15'});

var stackName = process.env.STACK_NAME;
var templateUrl = process.env.TEMPLATE_URL;

exports.handler = function(event, context, callback) {
  if (event.clickType == 'DOUBLE') {
    cloudformation.deleteStack({
      StackName: stackName
    }, function(err, res) {
      callback(err);
    });
  } else if (event.clickType == 'SINGLE') {
    cloudformation.createStack({
      StackName: stackName,
      Capabilities: ['CAPABILITY_IAM'],
      Tags: [
        {
          Key: 'Name',
          Value: stackName
        }
      ],
      TemplateURL: templateUrl
    }, function(err, res) {
      callback(err);
    });
  } else {
    callback(new Error(`click type ${event.clickType} not supported`));
  }
};

```

Now you must assign the lamda functions in Services>Action:

Acciones

Las acciones son lo que ocurre cuando se activa una regla. **Más información**



Invocar una función de Lambda para pasar los ...
IoTCloudFormation

Eliminar

Editar ▶



Invocar una función de Lambda para pasar los ...
SendIoTactions

Eliminar

Editar ▶

Añadir acción

When you use simple click the Cloudformation will create a Cloudformation environment and with double click will delete Cloudformation environment.