Firstly – Create your Smart Home Skill:

<http://developer.amazon.com> - Sign in using your normal Amazon account:

At the top, you’ll see Dashboard/Apps & Services/Alexa/Reporting/Support/Documentation/Settings

Select Alexa, then Alexa Skills Kit, then Add a New Skill.

On the Create a New Skill page – select Smart Home Skill, give it a name, Save, then Next



It will then create your Smart Home Skill. Before continuing here, you will need to create the Lambda function. (This Lambda function is where the code actually runs).

create your Lambda function:

<https://console.aws.amazon.com>

**NB – there are several different regions where these Lambda functions run. Alexa skills should run from both N.Virginia & Ireland, however I’ve only had success from N.Virginia**



Select Lambda, then in the next page, Create A Lambda Function.

Type ‘alexa’ in the Select Blueprint search field and select ‘alexa-smart-home-skill-adapter’



The first thing you’ll do is to tie it back to your Smart Home Skill.

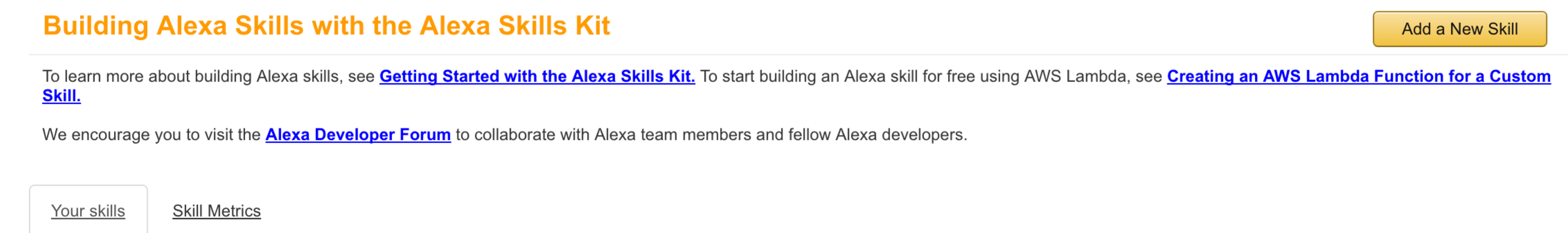
Back in your Smart Home Skill, you need the Application ID:



Copy this, and paste it into the ApplicationID field on Configure Triggers, enable it, then press Next.

Now – go to <https://github.com/madgeni/alexa_domo>

Download: domapi.js, package.json & the node\_modules folder. Zip these together.



Create a new skill, ensuring you select Smart Home Skill API –

So Alexa requires OAUTH2, but it’s a pain, and if the alexa app is for your own consumption, unnecessary!

This is a fake OAUTH server, which allows you to use this as a workaround:

Account Linking [b]Authorization URL:[/b] <https://ve0kyj5tp5.execute-api.us-east-1.amazonaws.com/test/HomeSkillAuthorization>

Client id: alexa - any value is fine, since it's ignored

Domain List: Ignore this

Scope: alexa - any value is fine, since it's ignored

Access Token URI:[/b] <https://ve0kyj5tp5.execute-api.us-east-1.amazonaws.com/test/OAuthAccessToken>

Client Secret: alexa - any value is fine, since it's ignored

Privacy Policy: https://ve0kyj5tp5.execute-api.us-east-1.amazonaws.com/test/PrivacyPolicy - any value is fine).

Click **SAVE**

Then create your lambda instance:

<https://aws.amazon.com/lambda/>

**Make sure to select N.Virginia as your region, it’s the only region that accepts Alexa at this time.**

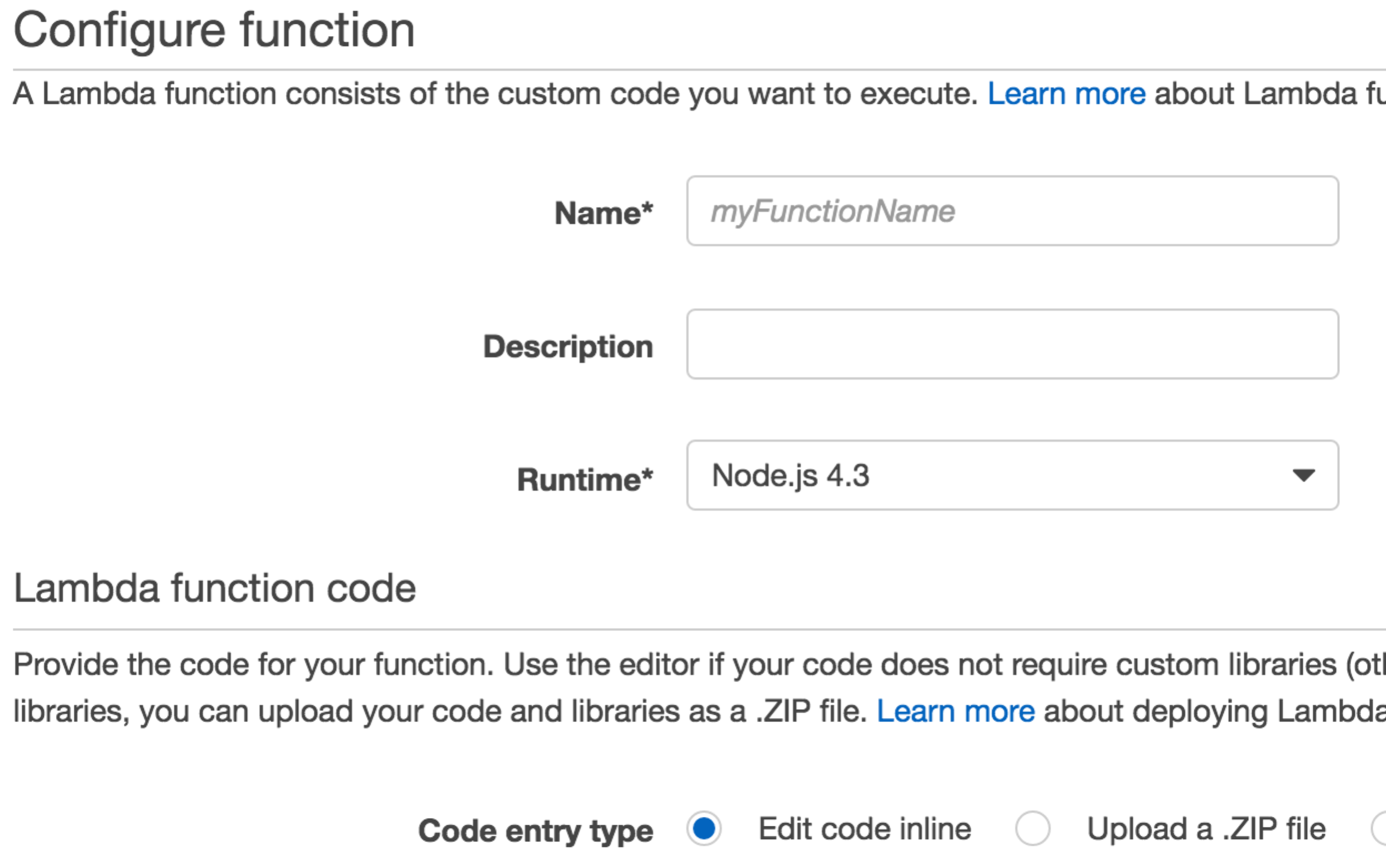
Take the node\_modules folder, the domapi.js, and package.json from https://github.com/madgeni/alexa\_domo/

You will need to edit the domapi.js file to put in your own domoticz dns name/external IP, as well as username and password:

var api = new Domoticz({protocol: "http", host: "127.0.0.1", port: 8080, username: "abcd", password: "1234"});

Save it, and zip these three things together.

Back to Lambda:

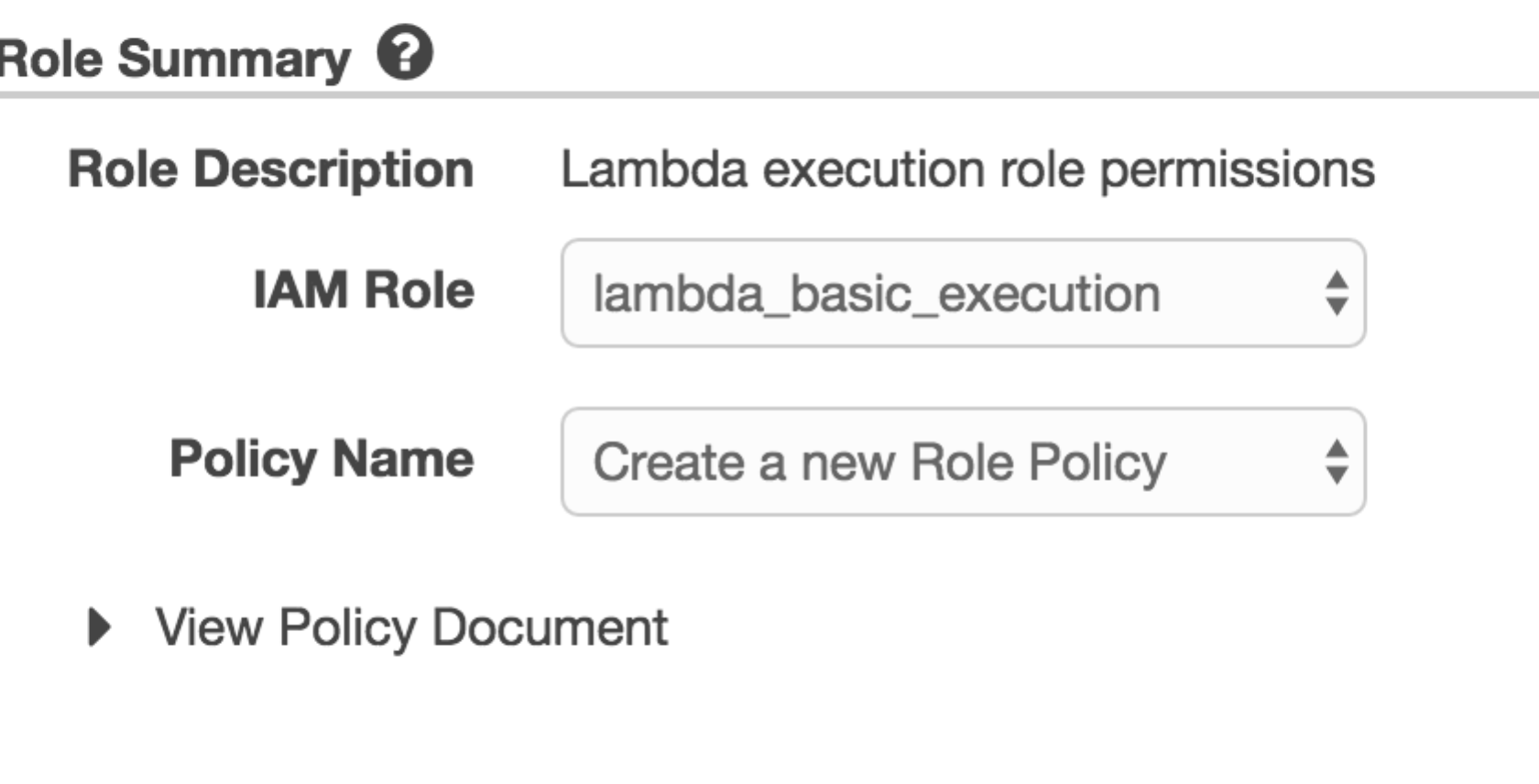


Give it a name and description, leave the runtime as Node.js, then upload that zip file.



change the handler name to domapi.handler (or if you change the domapi.js filename, then to whatever you change it to) and select the Role to \* Basic execution role. This whole piece is simply setting up the conditions for the lambda instance that runs the code, rather than interacting with your domoticz.

It will open a new window when you choose that, so select below.



Click on Allow, which will then take you back to your configuration page.

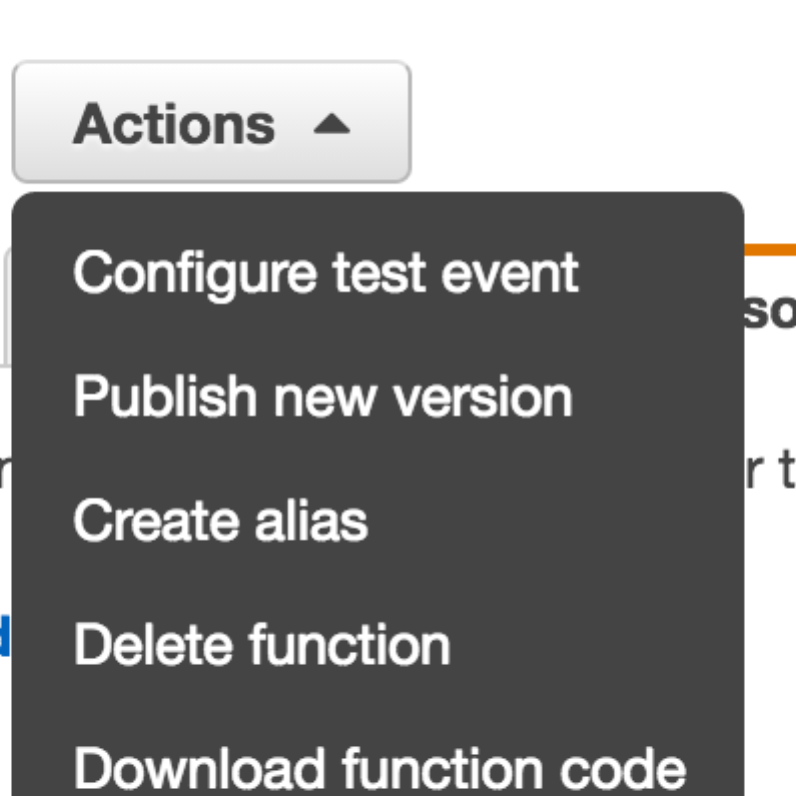
Then click Next:

Step 3: Review – click Create Function.

That’s it. – You should now be able to see your domoticz app in <http://www.alexa.amazon.com> - or the app on your phone.

Appendix - TESTING

Under the Actions dropdown:



Configure test event allows you to send requests to your domoticz and interact with it, without having to install the smart skill on your alexa.

Here are a 3 – 1 discovery, 1 for lights, 1 for scenes:

Just copy one in, change the applicationId to a Domoticz IDX and test it.

{

"header": {

"messageId": "01ebf625-0b89-4c4d-b3aa-32340e894688",

"name": "TurnOffRequest",

"namespace": "Alexa.ConnectedHome.Control",

"payloadVersion": "2"

},

"payload": {

"accessToken": "123",

"appliance": {

"additionalApplianceDetails": {

"switchis": "On/Off",

"WhatAmI": "light"

},

"applianceId": CHANGETHISTOANIDXINYOURDOMOTICZ

}

}

}

{

"header": {

"messageId": "01ebf625-0b89-4c4d-b3aa-32340e894688",

"name": "TurnOffRequest",

"namespace": "Alexa.ConnectedHome.Control",

"payloadVersion": "2"

},

"payload": {

"accessToken": "123",

"appliance": {

"additionalApplianceDetails": {

"WhatAmI": "scene"

},

"applianceId": CHANGETHISTOANIDXINYOURDOMOTICZ

}

}

}

{

"header": {

"messageId": "6d6d6e14-8aee-473e-8c24-0d31ff9c17a2",

"name": "DiscoverAppliancesRequest",

"namespace": "Alexa.ConnectedHome.Discovery",

"payloadVersion": "2"

},

"payload": {

"accessToken": "123"

}

}