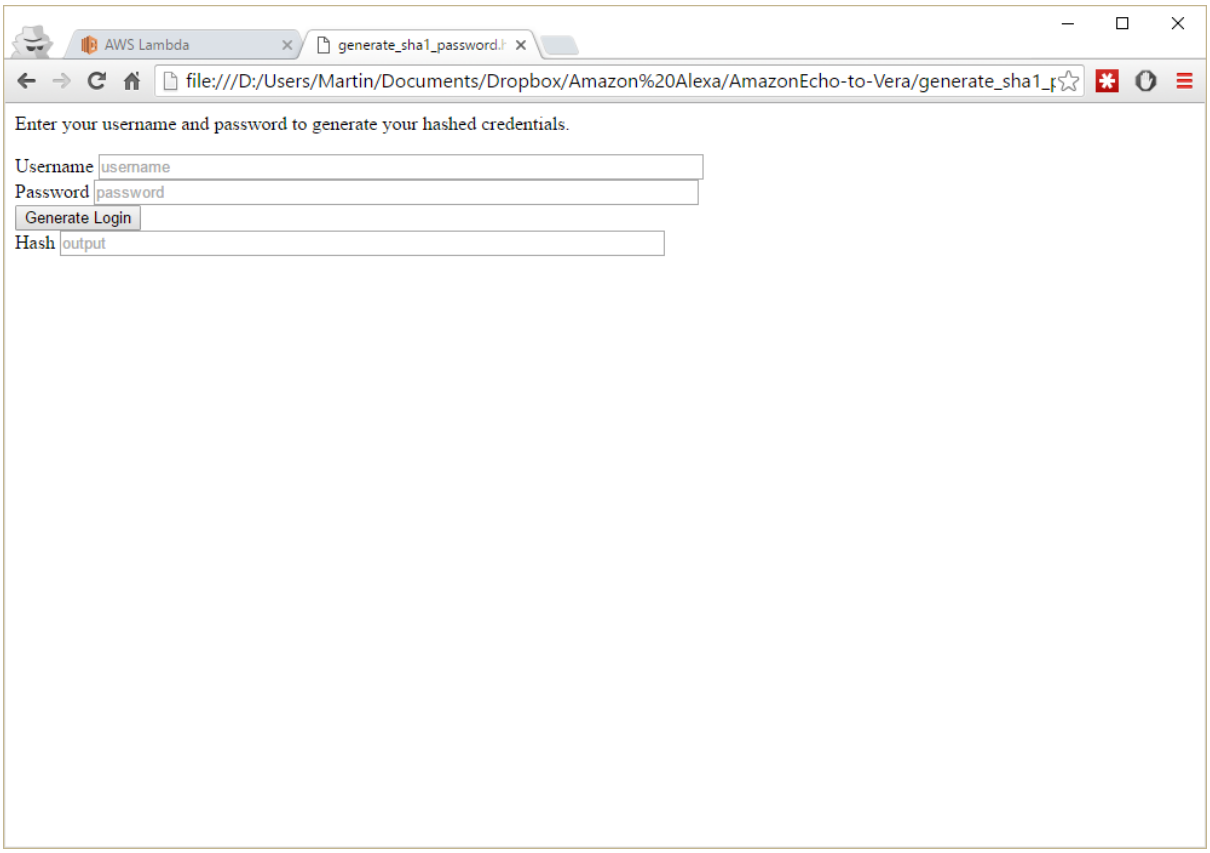
Vera Credentials

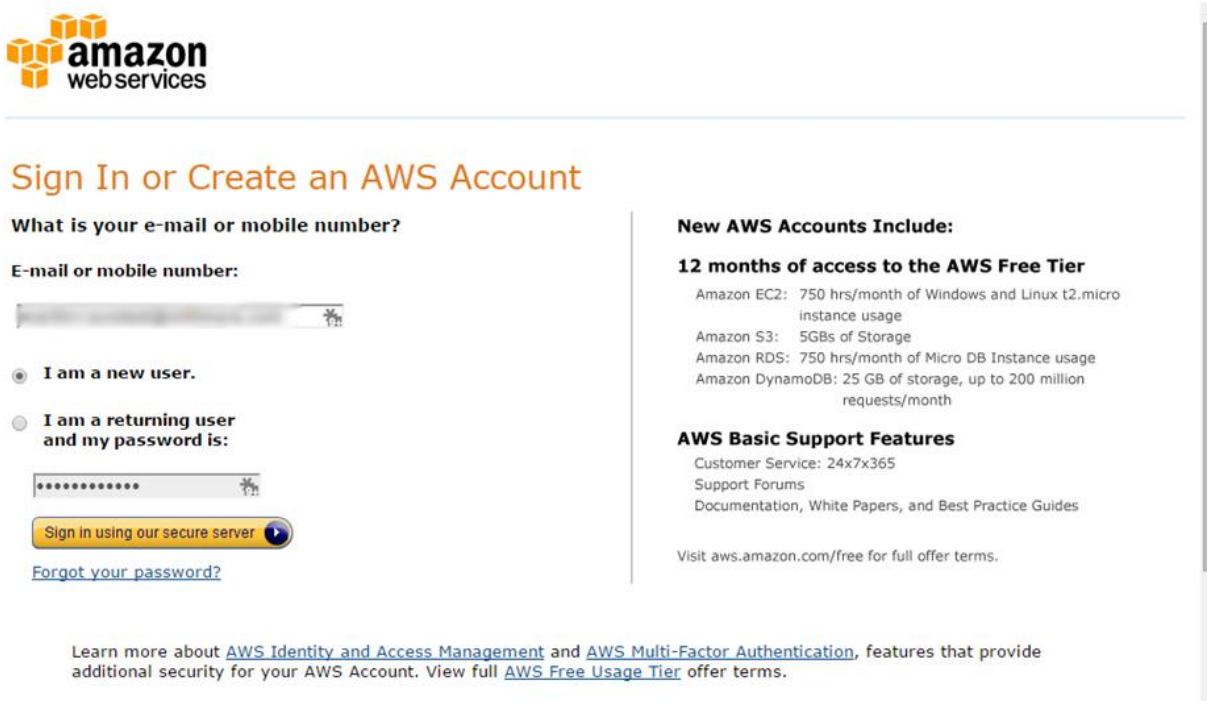
First of all you need to get your vera remote access credentials. Download https://raw.githubusercontent.com/mmillmor/AmazonEcho-to-Vera/master/generate_sha1_password.html to your computer and open it with a web browser

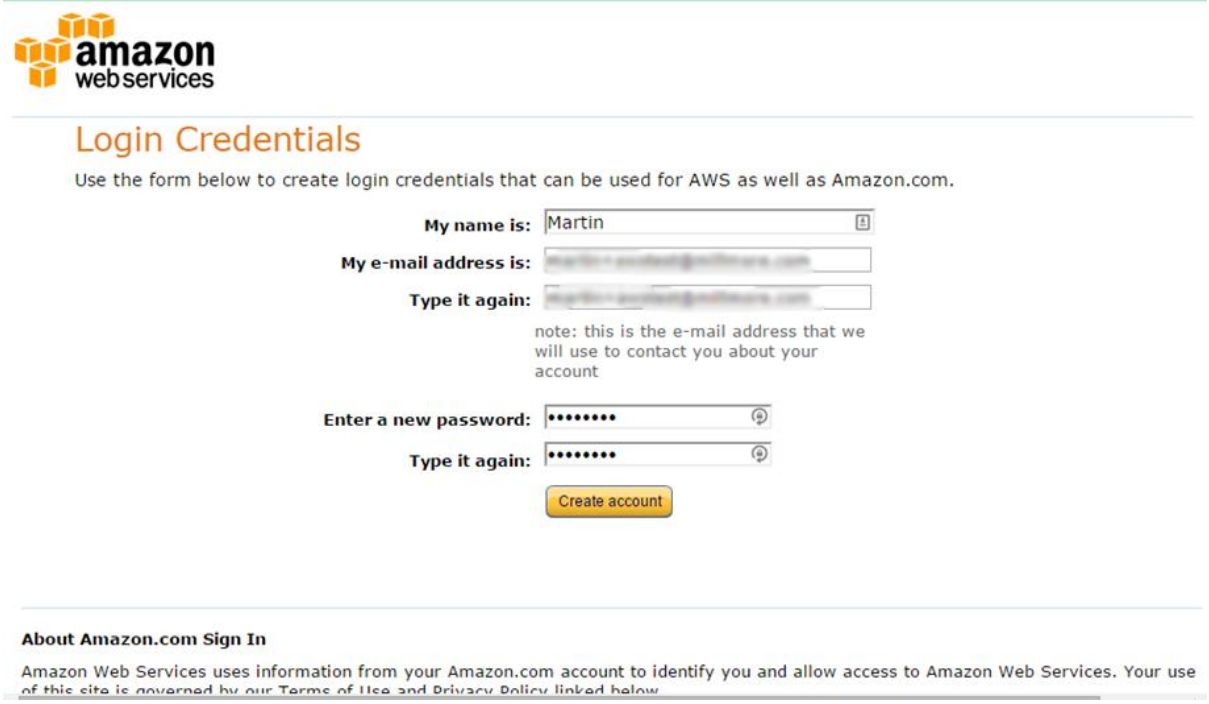


Enter your username and password, and press Generate Login. That will calculate your hashed credentials, which you will need later on. These are the same credentials that you would use at home.getvera.com

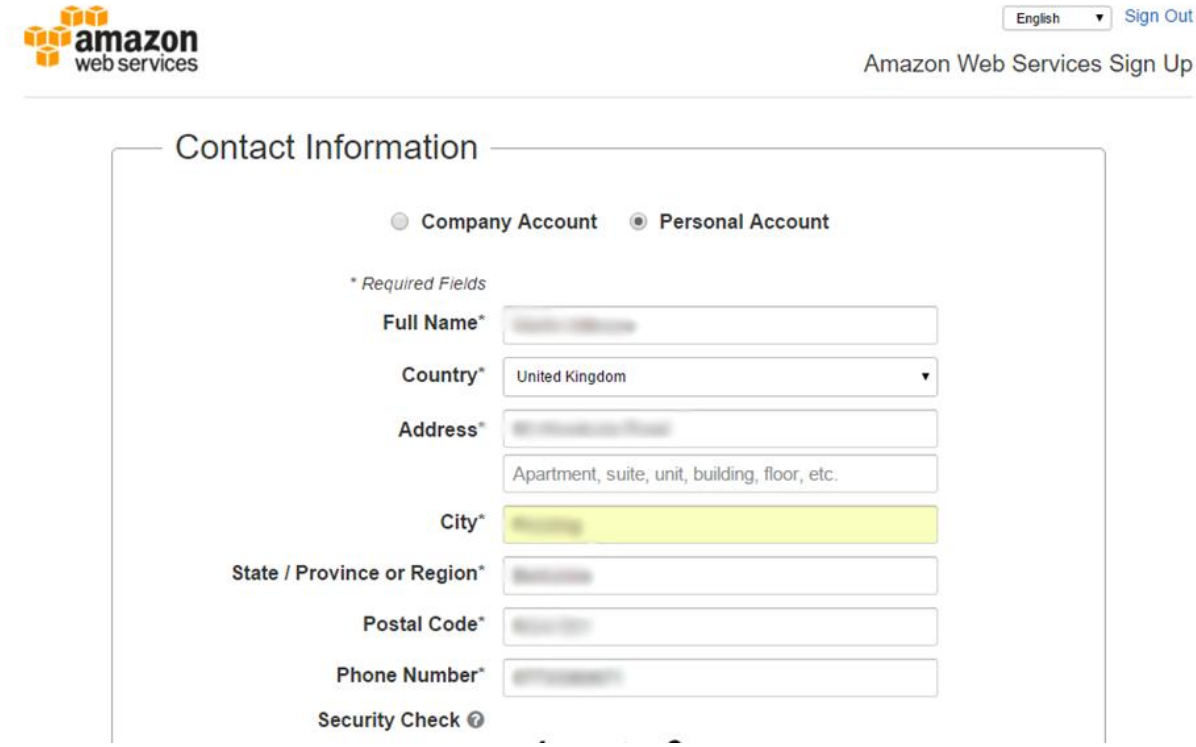
Set up the remote code

1) Sign up for a free AWS account at https://portal.aws.amazon.com/gp/aws/developer/registration/index.html?nc2=h_ct

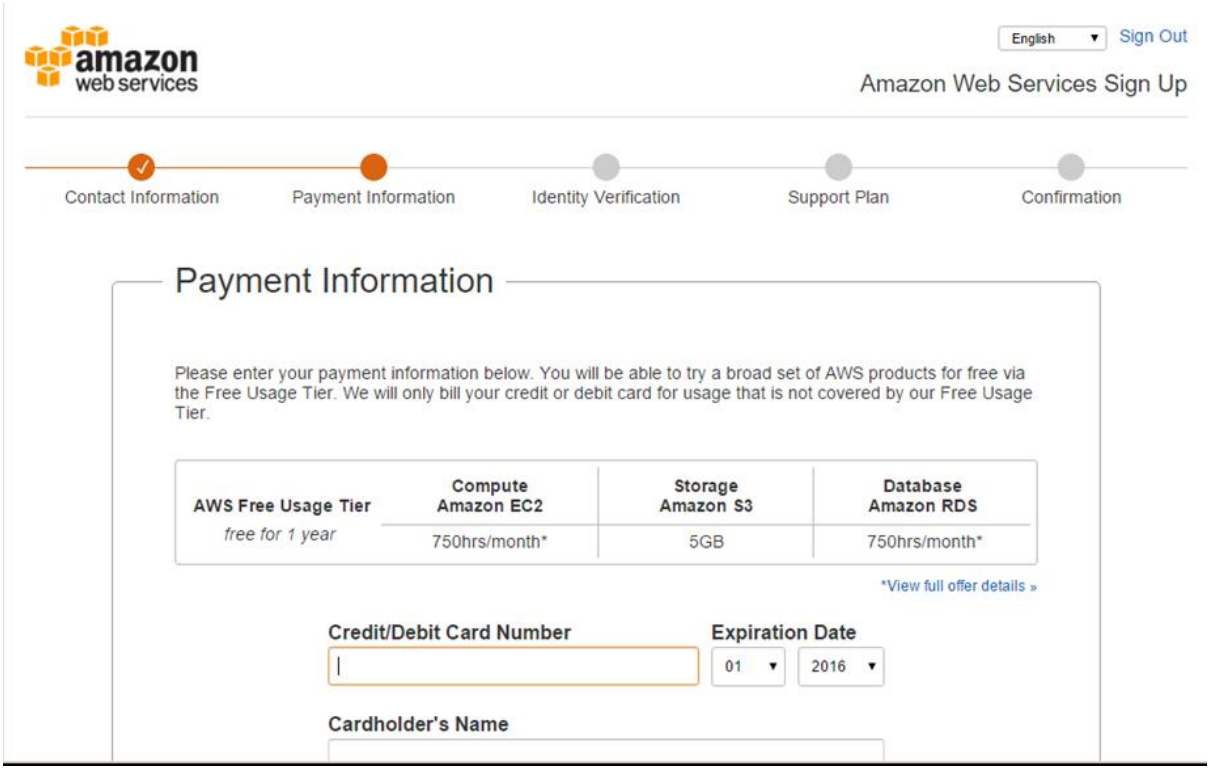




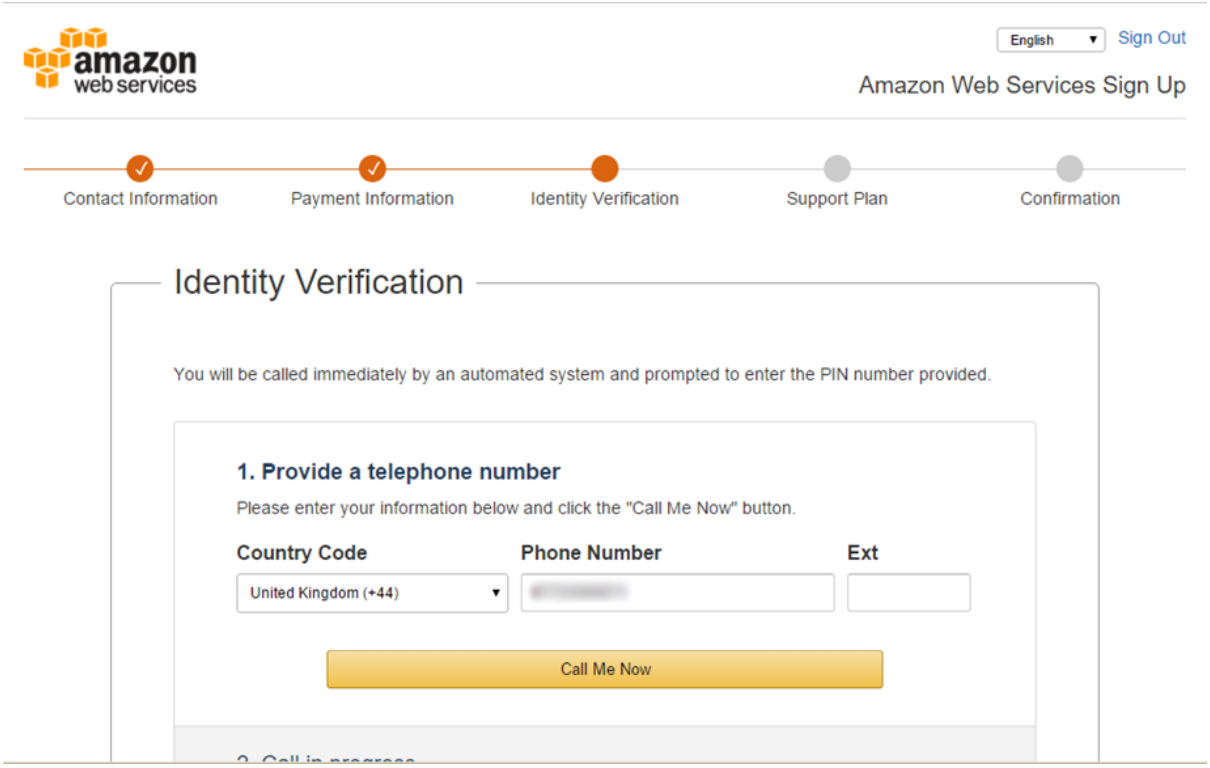
Enter your name, email and password



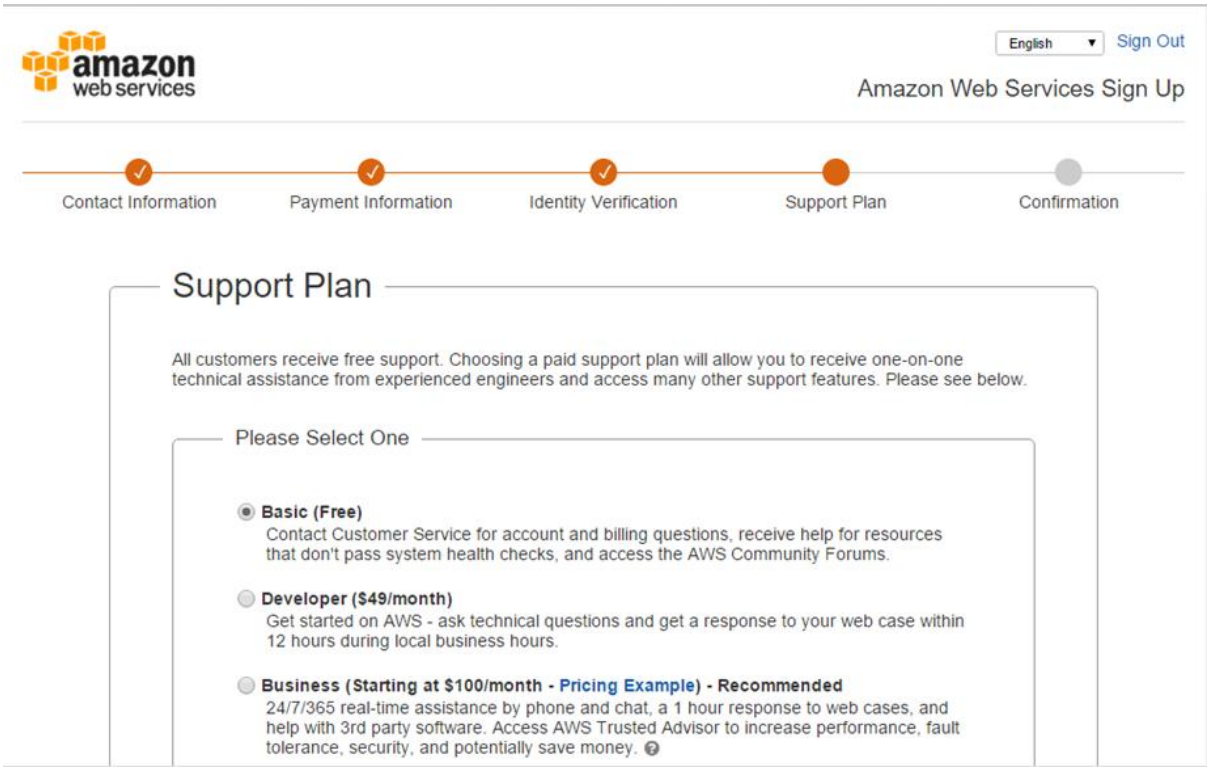
Enter contact details



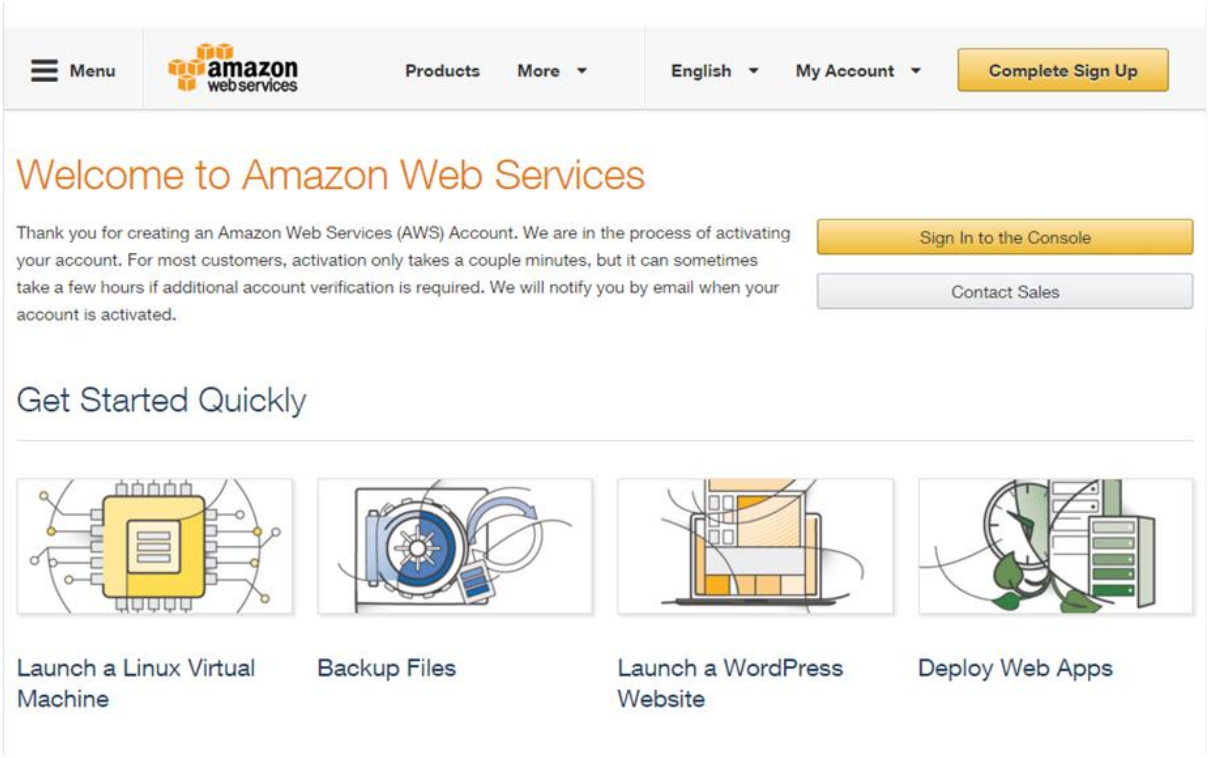
Enter a credit card number. Note, you will never be billed for the usage describe here - the Lambda service is free under 1 million hits a month (https://aws.amazon.com/lambda/pricing/)



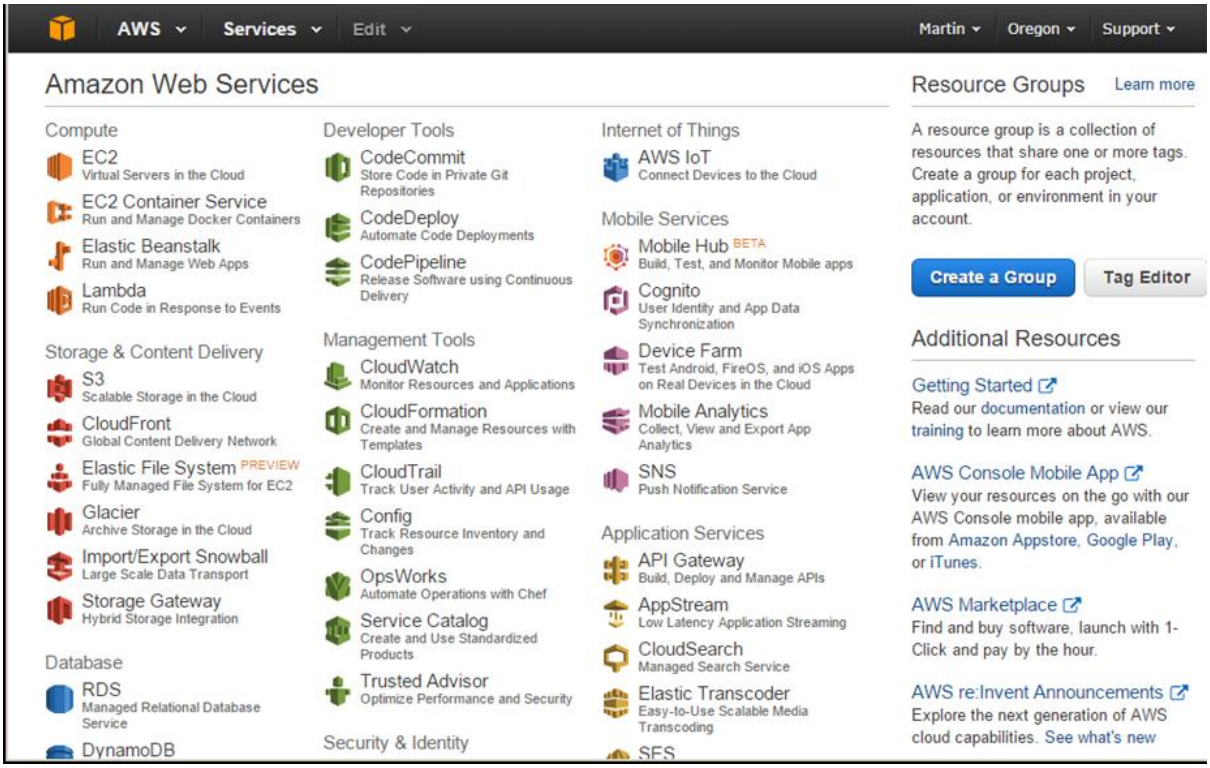
Amazon will verify your identity



Pick the free support plan

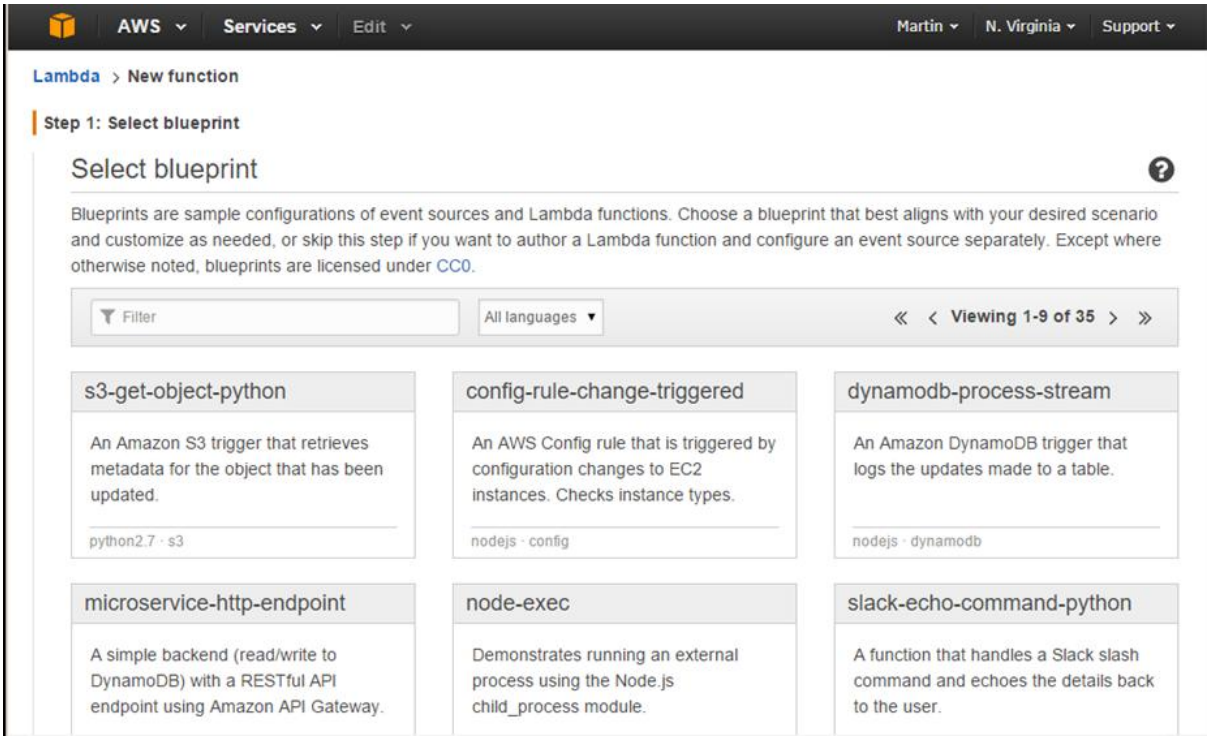


And that's your account created. Sign in with the account you just created

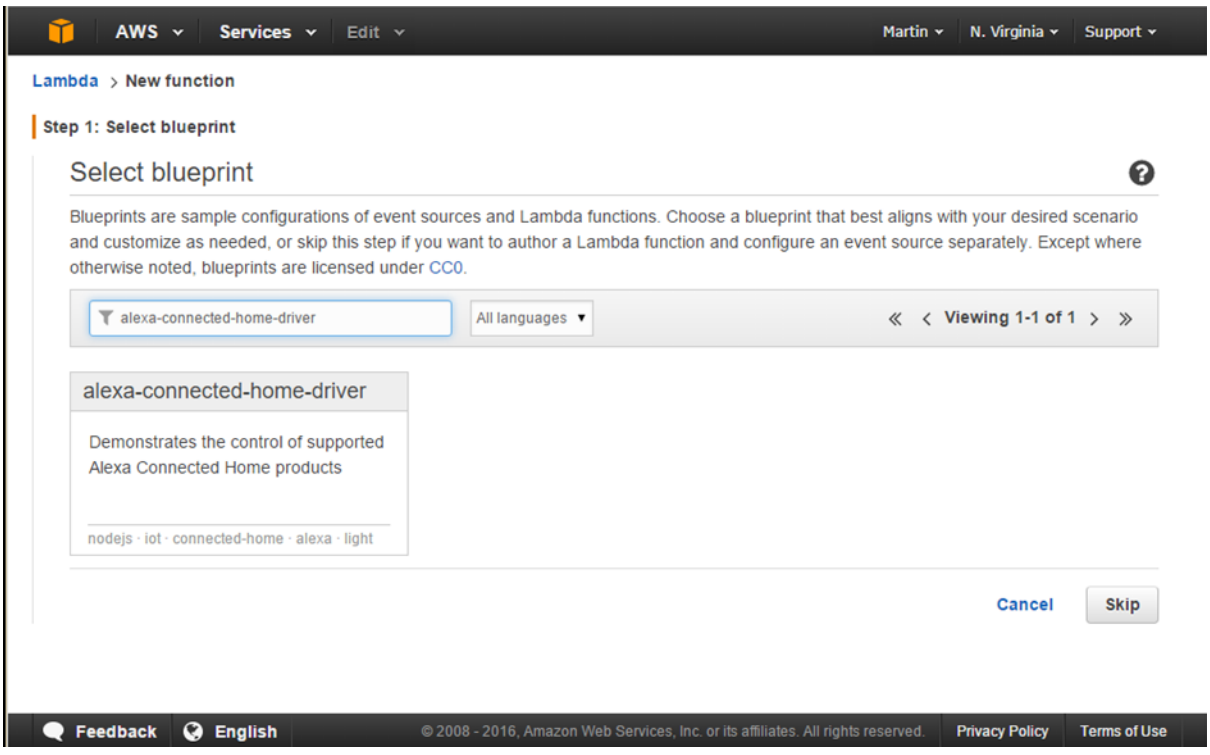


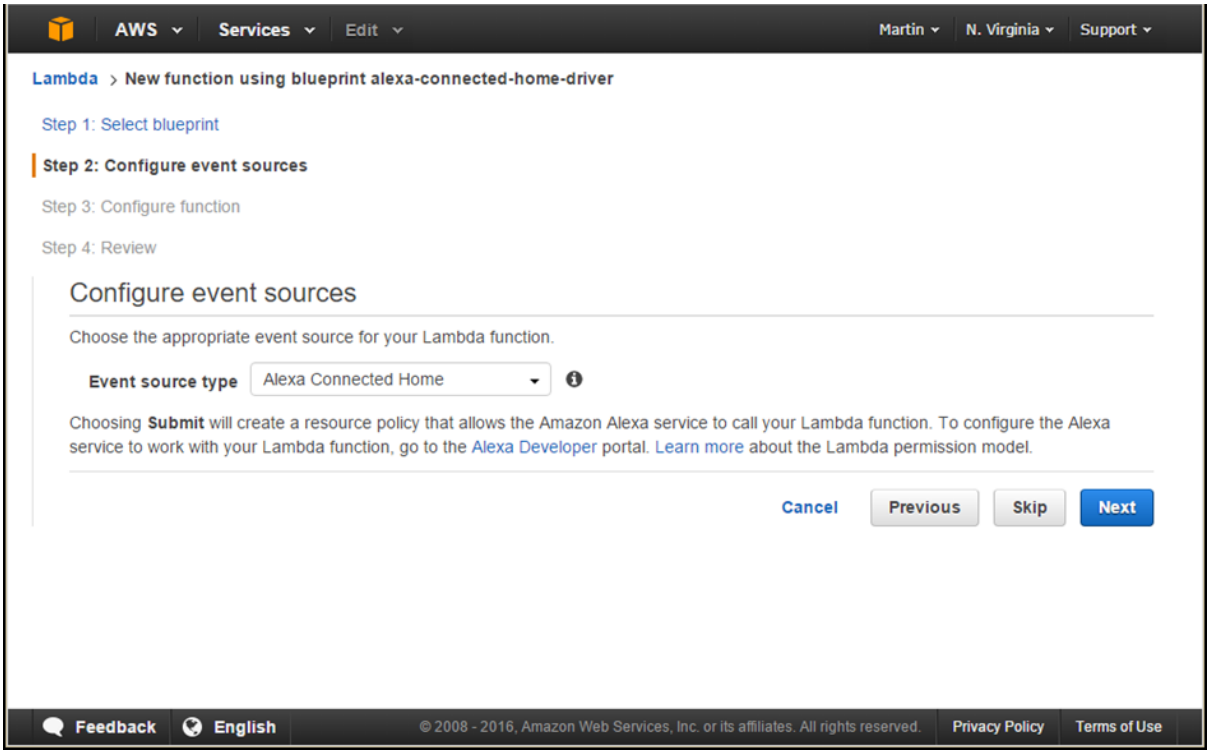
You will be taken to the AWS dashboard. Click on Lambda

Region must be us-east-1. Click on the region link between your name and "Support" in the top right to change region to us-east-1 (N. Virginia) then press Get Started Now

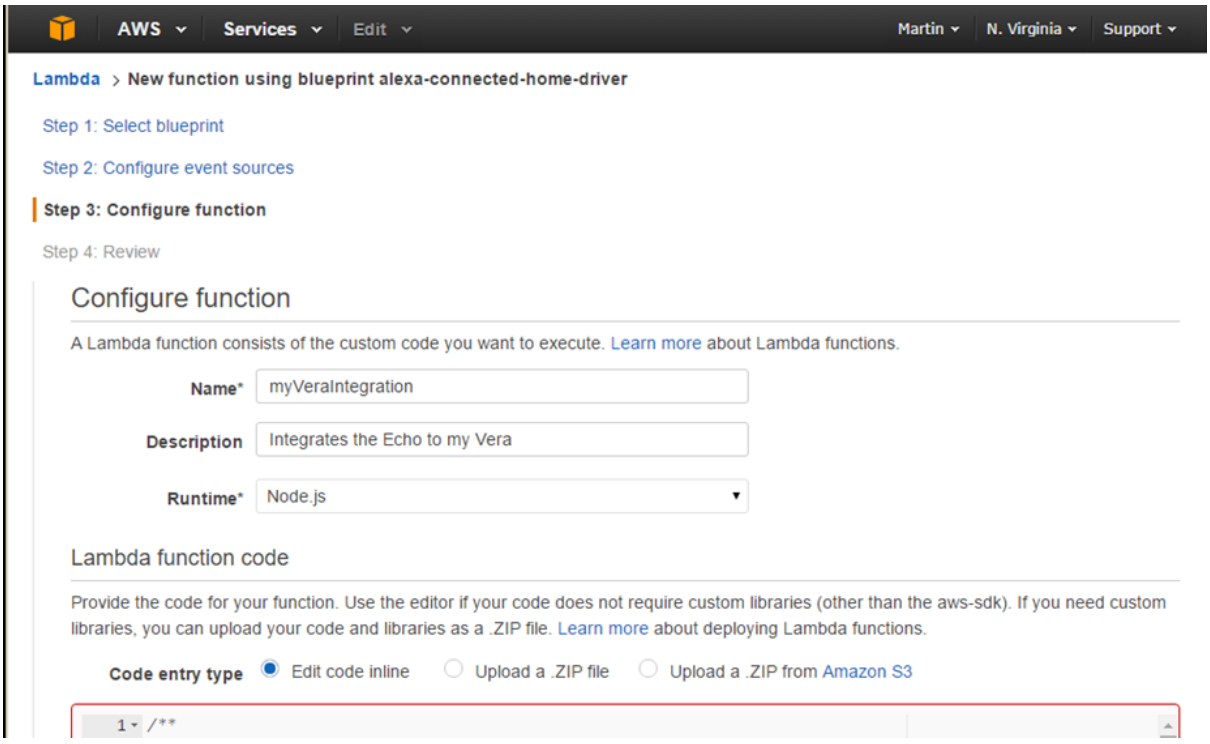


Enter "alexa-connected-home-driver" in the filter box, and click on that box





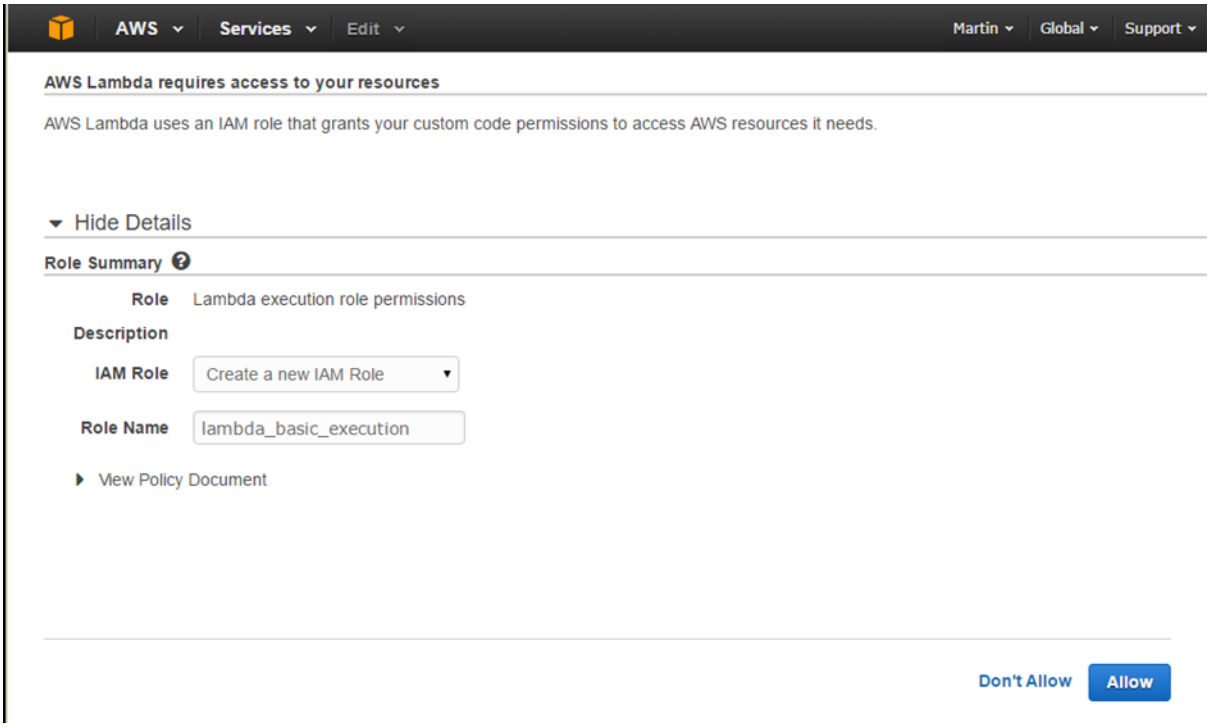
Leave the event source as Alexa Connected Home, and press Next



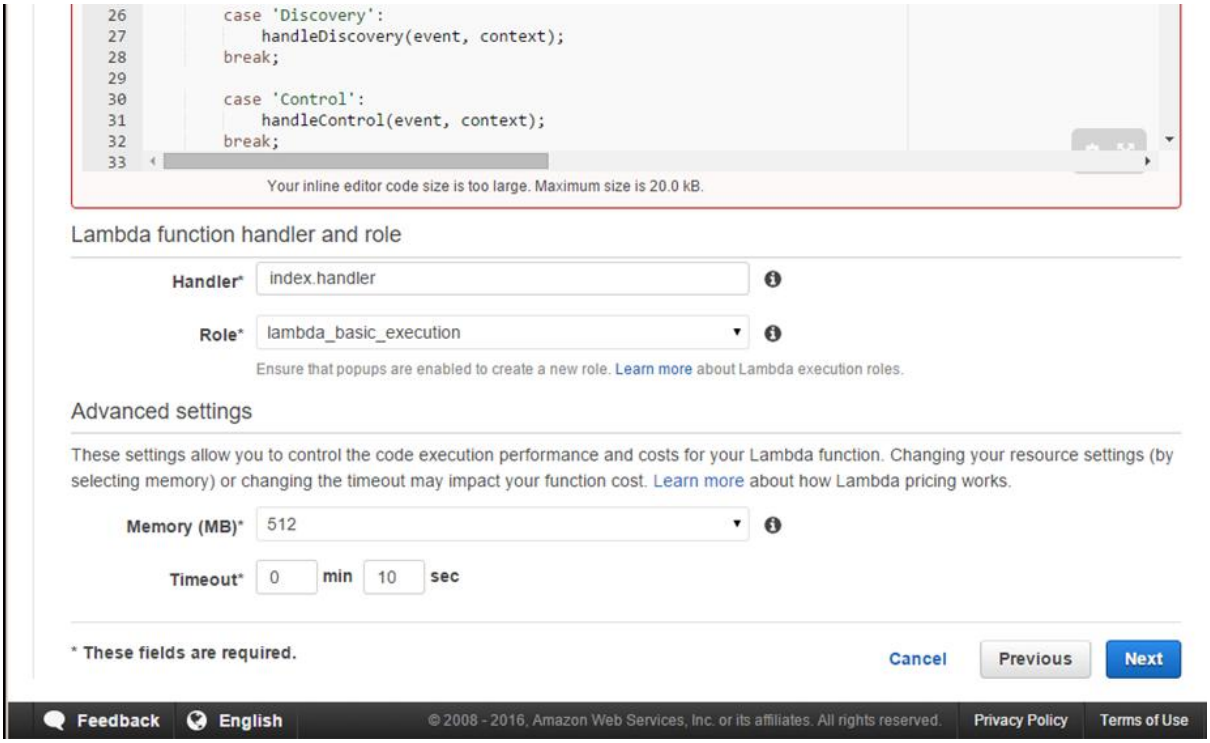
Enter any name and description for your code. Leave the runtime as Node.js. Scroll down to the code entry. Copy and paste the entire contents of https://raw.githubusercontent.com/mmillmor/AmazonEcho-to-Vera/master/lambda/alexa_lambda_amazon_oauth.js in there.

Scroll down and replace the text {enter your username} with your vera username, and the text {enter your encoded password} with the hashed vera password from the first step.

Scroll down to the bottom of the page. For Role, pick Basic Execution Role* and it will open a new window to create a role;

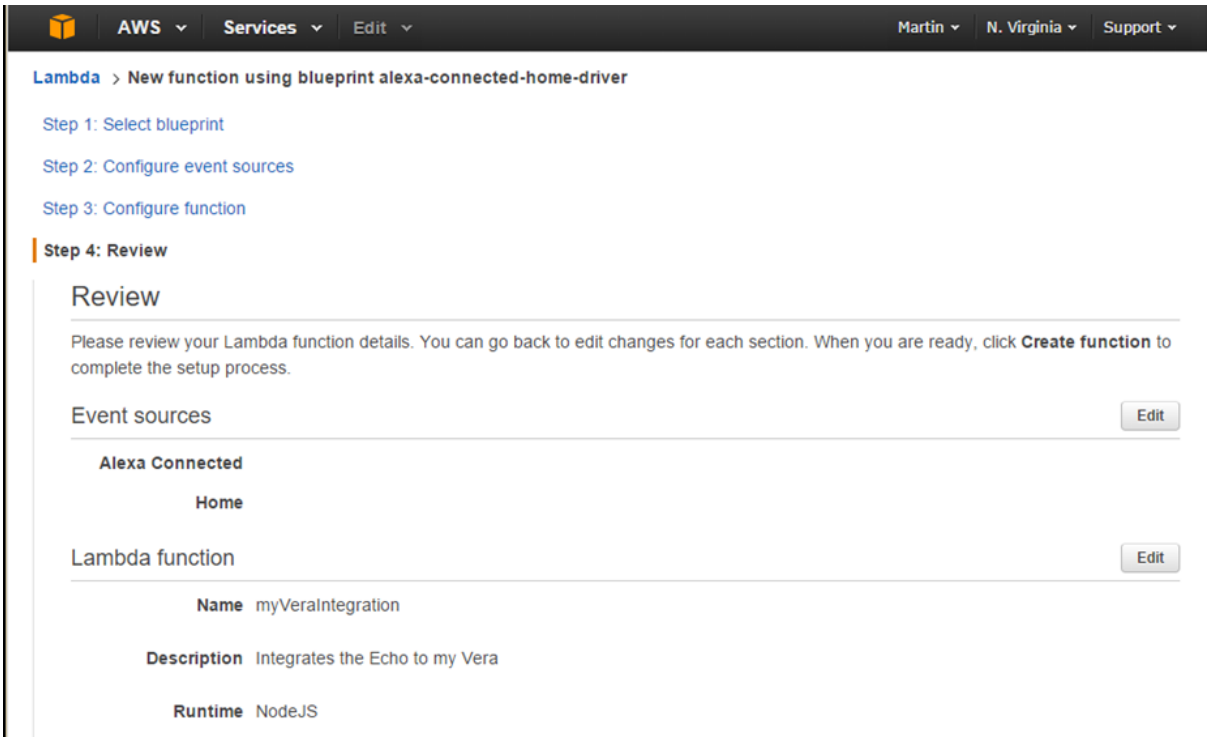


name the role lambda_basic_execution, and click Allow. This will go back to the previous page with the role populated. Leave everything else at the default values.



If it complains about the file being too big, remove the copyright text at the top of the page (everything between /** and */)

Click Next

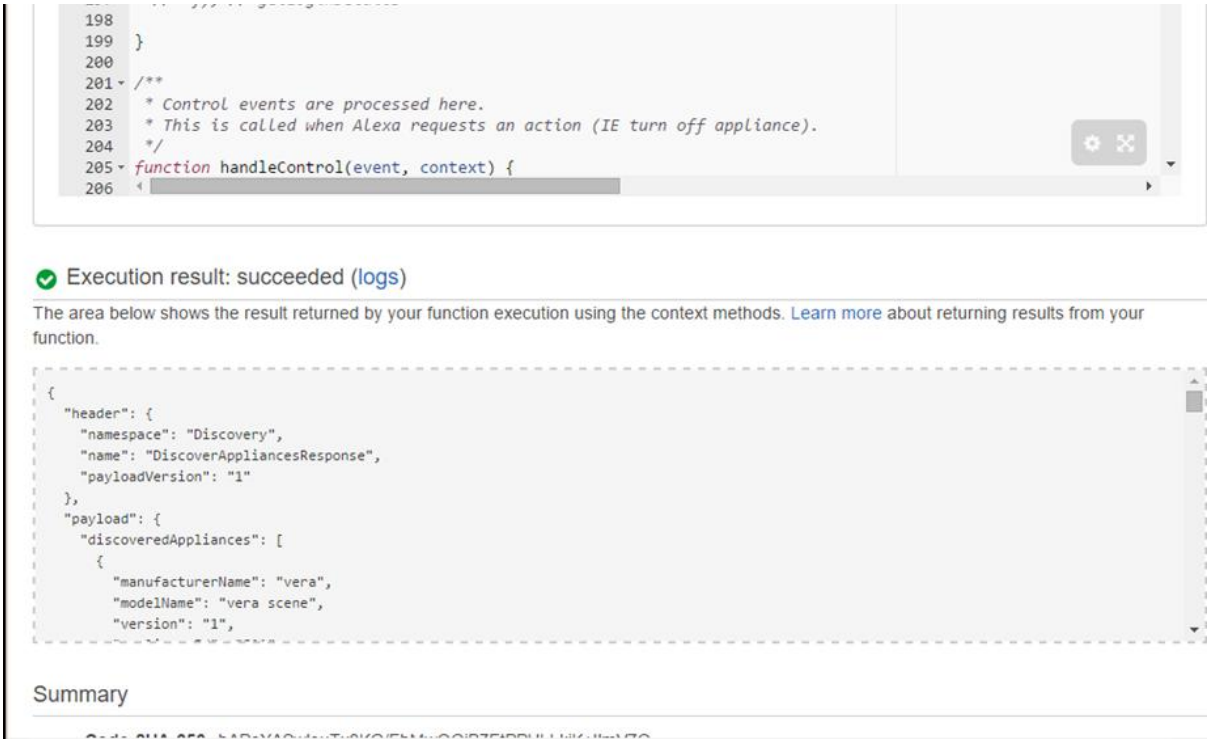


Scroll down and click Create Function.

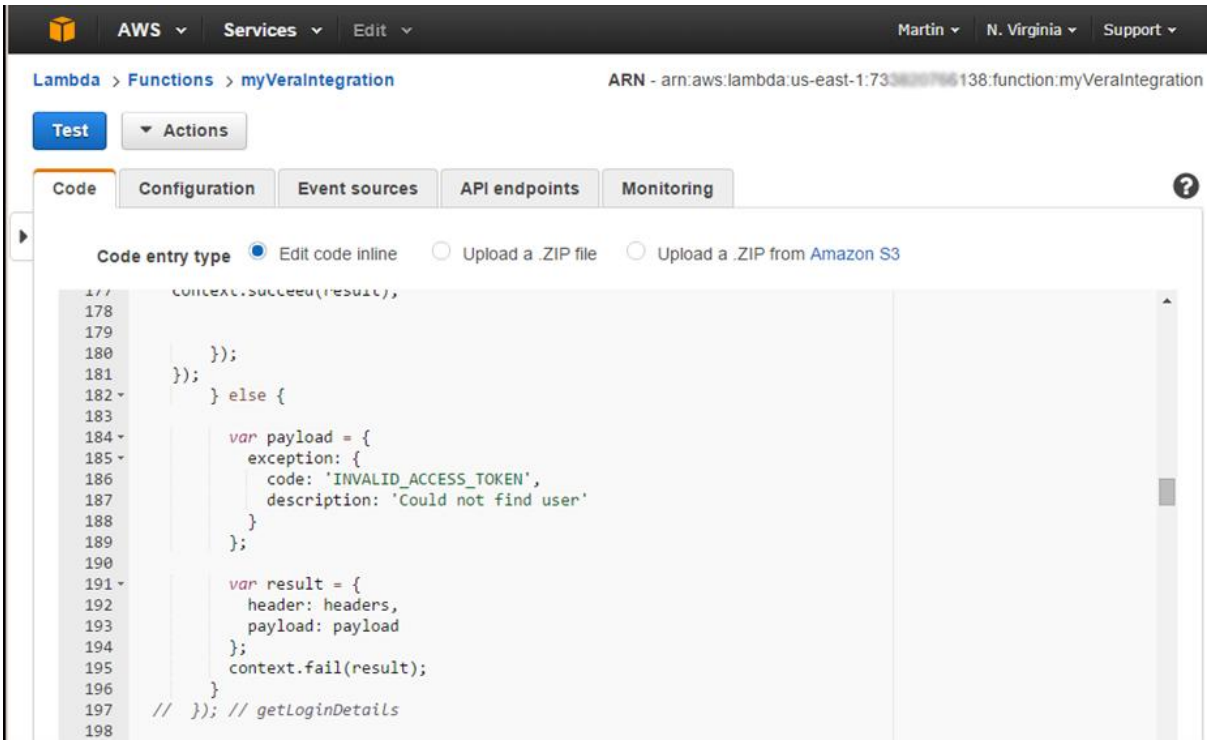
Click the Code tab, then the Test button, and paste the following in to the text box;

```
{
  "header": {
    "namespace": "Discovery",
    "name": "DiscoverAppliancesRequest",
    "payloadVersion": "1"
  },
  "payload": {
    "accessToken": "dummy"
  }
}
```

Scroll down, and you should see a list of your devices;



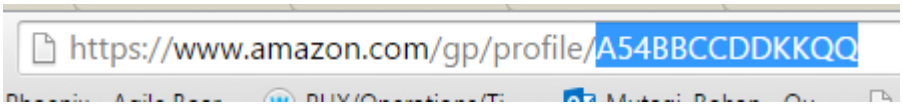
At the top of the page you will see the text "ARN - " followed by a string like arn:aws:lambda:us-east-1:XXX. You will need that string later.



Well done - you are almost done!

Amazon Account Details

Go to https://amazon.com/profile while logged in with the account that your Echo is connected to. The URL will change to have your customer ID in the URL. You will need that later



Contact Amazon

The final step is to contact Amazon with your information so that they can wire it all together. Send an e-mail to alexa-coho-submissions@amazon.com with the following details. This uses a Login With Amazon OAuth server which does nothing other than allow your Echo to know it is authenticated with the remote service (although in reality the authentication happens in the Lambda code, because Vera doesn't support OAuth). It does not store any details about you, or allow any access to your Vera or your Echo.

Skill adapter display name	*The name for your integration, e.g. "Martin's Vera System"*
Skill adapter description	*A description, e.g. "Integration with my Vera"*
AWS Lambda function name	*This is the ARN string from the end of the coding step*
OAuth Client ID	amzn1.application-oa2-client.83e942ffa527496483312e5f73933daf
OAuth Client Secret	bf289851a372db822646dd94242bb759c59ff25828d43c744bcc68714514b41a
OAuth Scope	profile:user_id
OAuth authorization URL	https://www.amazon.com/ap/oa
OAuth token URL	https://api.amazon.com/auth/o2/token
Amazon Customer ID	*This is the customer ID from the last step above*

Amazon will respond with confirmation that it has all been set up, and then you can run discover and control devices on your Echo.