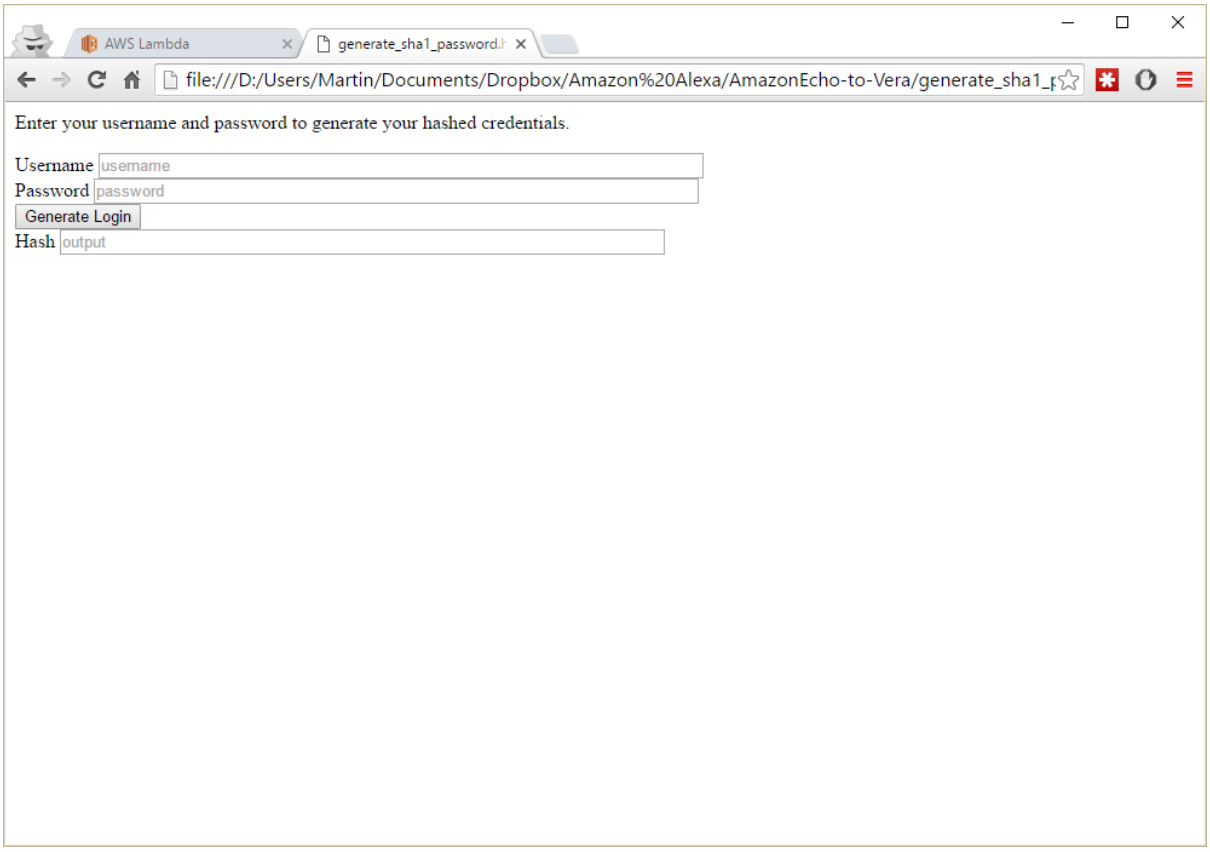
NOTE: These instructions are for setting up a skill for personal use. You may not submit this skill for certification.

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 skill

Follow the steps at;

https://developer.amazon.com/public/solutions/alexa/alexa-skills-kit/docs/steps-to-create-a-smart-home-skill

1) For your lambda function, use the code from

https://raw.githubusercontent.com/mmillmor/AmazonEcho-to-Vera/master/lambda/alexa_lambda_v2_amazon_oauth.js

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. If you have more than one device, enter the device ID of the device you want to control (you can only control one).

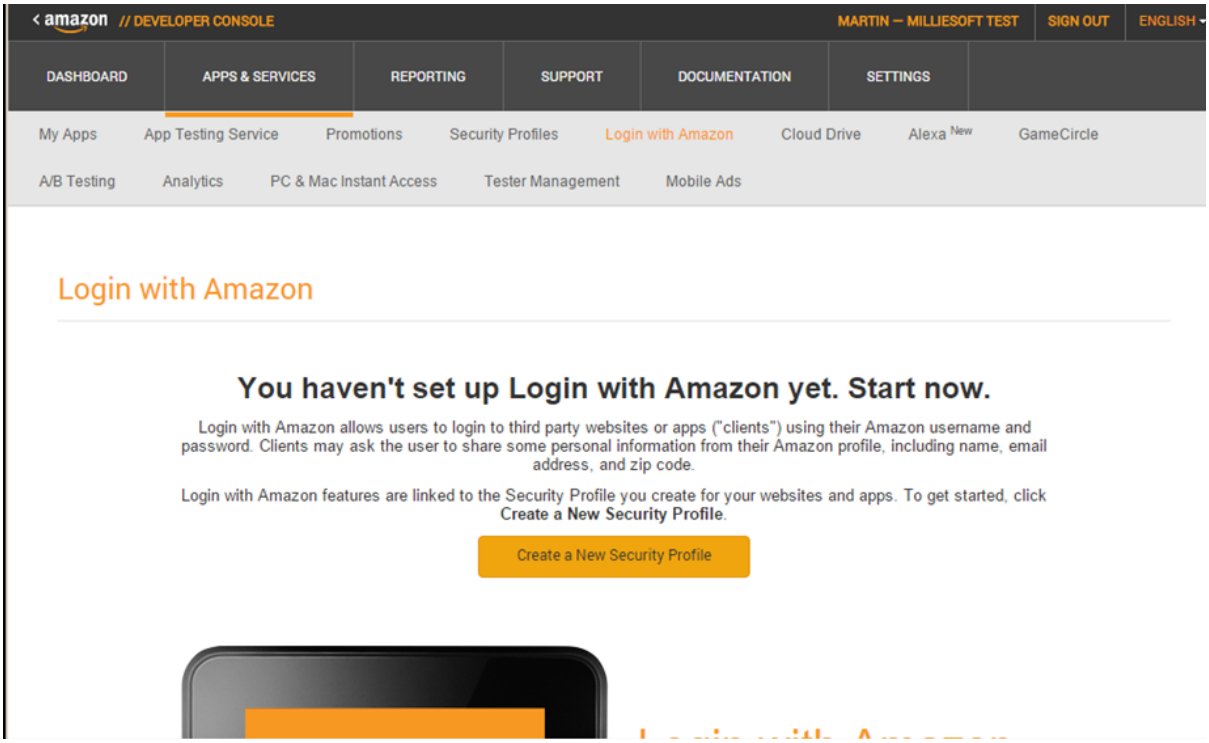
Set the runtime as NodeJS (**not** NodeJS 4.3), and the timeout to 10 seconds.

When you create your skill, make a note of the Redirect URL on the Configuration page. You will need it in the next step.

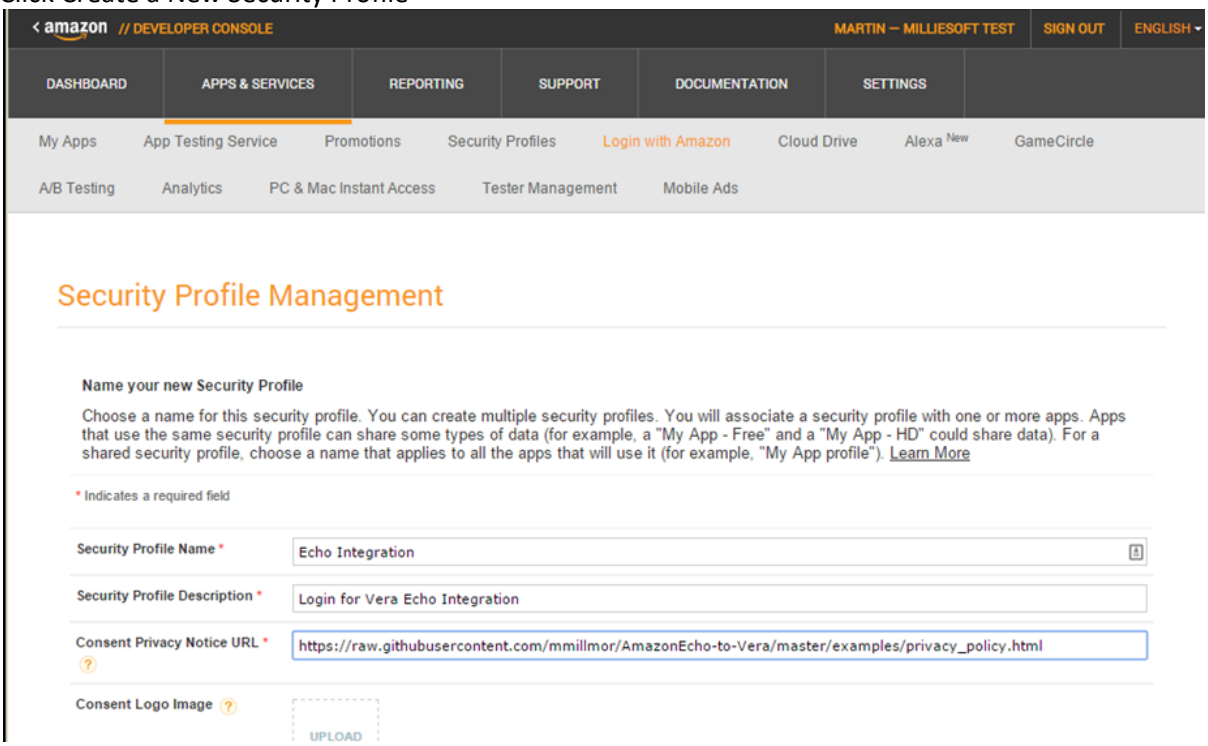
Setting up OAuth2

Amazon expect everyone to use OAuth2 for login, but the Vera doesn't (which is why we hard coded the username and password). We still need an OAuth2 server though or the Echo won't do anything. Fortunately Amazon provide a simple one we can use. Go to https://developer.amazon.com/ and log in with the account you used to create the skill.

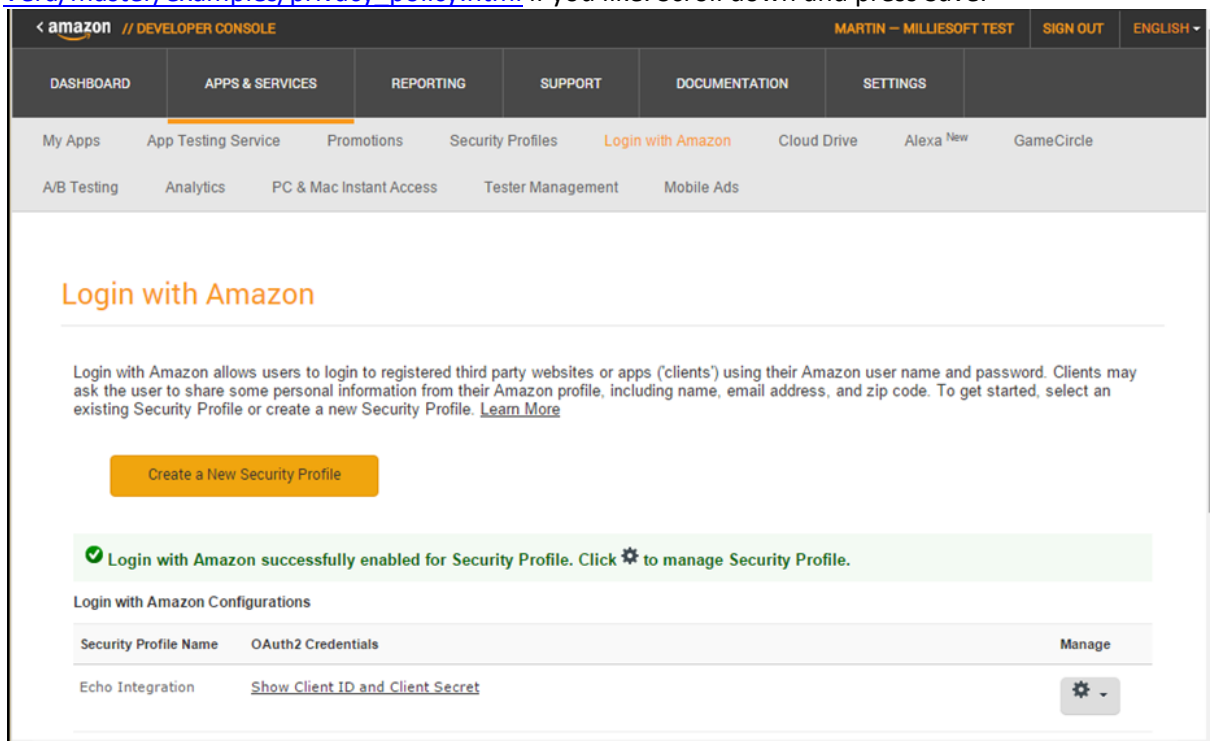
Click on Login with Amazon



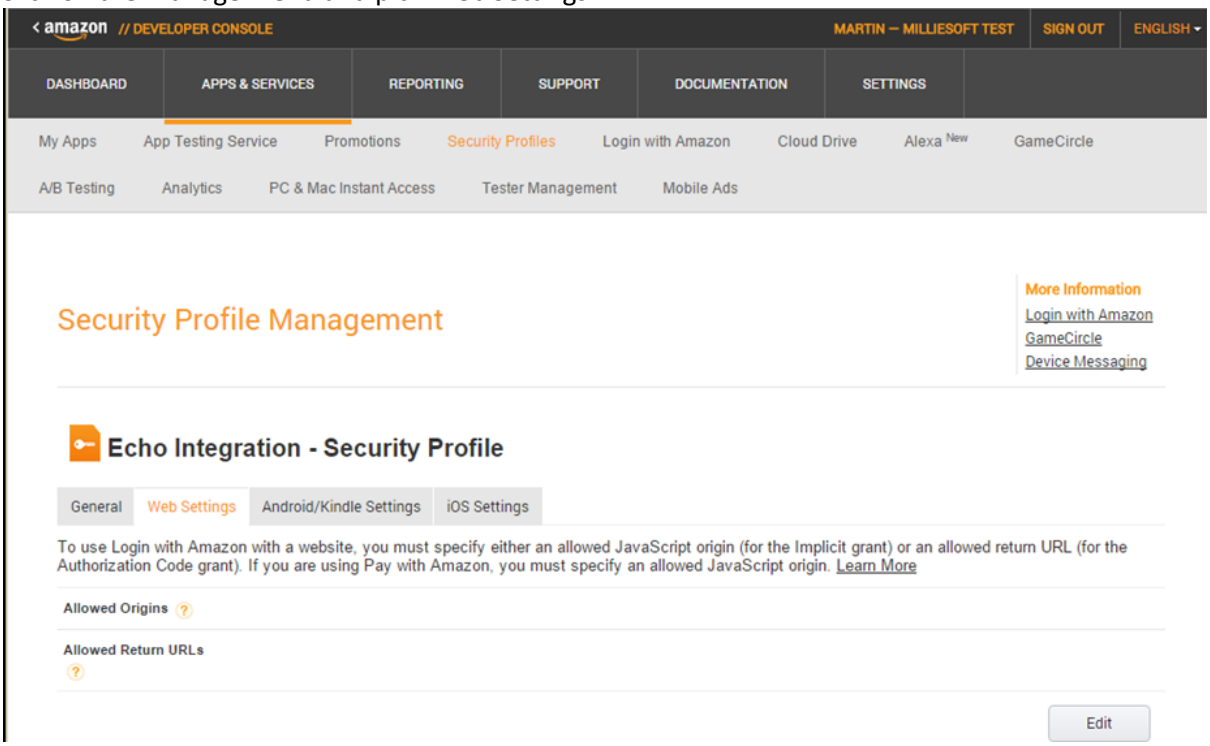
Click Create a New Security Profile



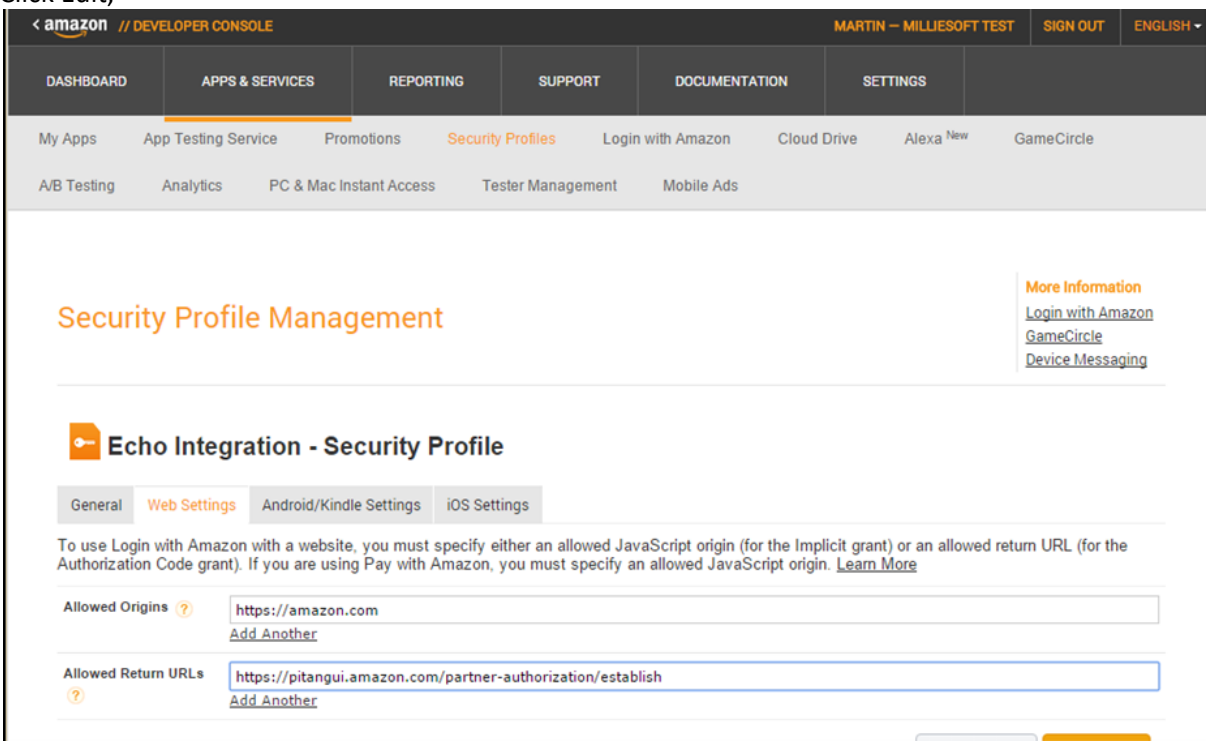
Enter any name and description and a URL to a privacy policy. You can use the one at https://raw.githubusercontent.com/mmillmor/AmazonEcho-to-Vera/master/examples/privacy_policy.html if you like. Scroll down and press Save.



Click on the Manage menu and pick Web Settings



Click Edit;



Set Allowed Origins to https://amazon.com and Allowed Return URLs to the Redirect URL given in your skill, e.g. https://pitangui.amazon.com/api/skill/link/MCDQG8D9WN0D2
Click Save.
Click on General
In there you will see your Client ID and Client Secret. You will need those in the next step

2) Go back to the configuration page of your skill and enter the following;

Authorization URL: https://www.amazon.com/ap/oa

Client Id: *the client ID from the OAuth step*

Domain List: *blank*

Scope: profile:user_id

Access Token URI: https://api.amazon.com/auth/o2/token

Client Secret: *The client Secret from the OAuth step*

Privacy Policy URL: http://www.milliesoft.co.uk/about/amazon-echo-privacy-policy/