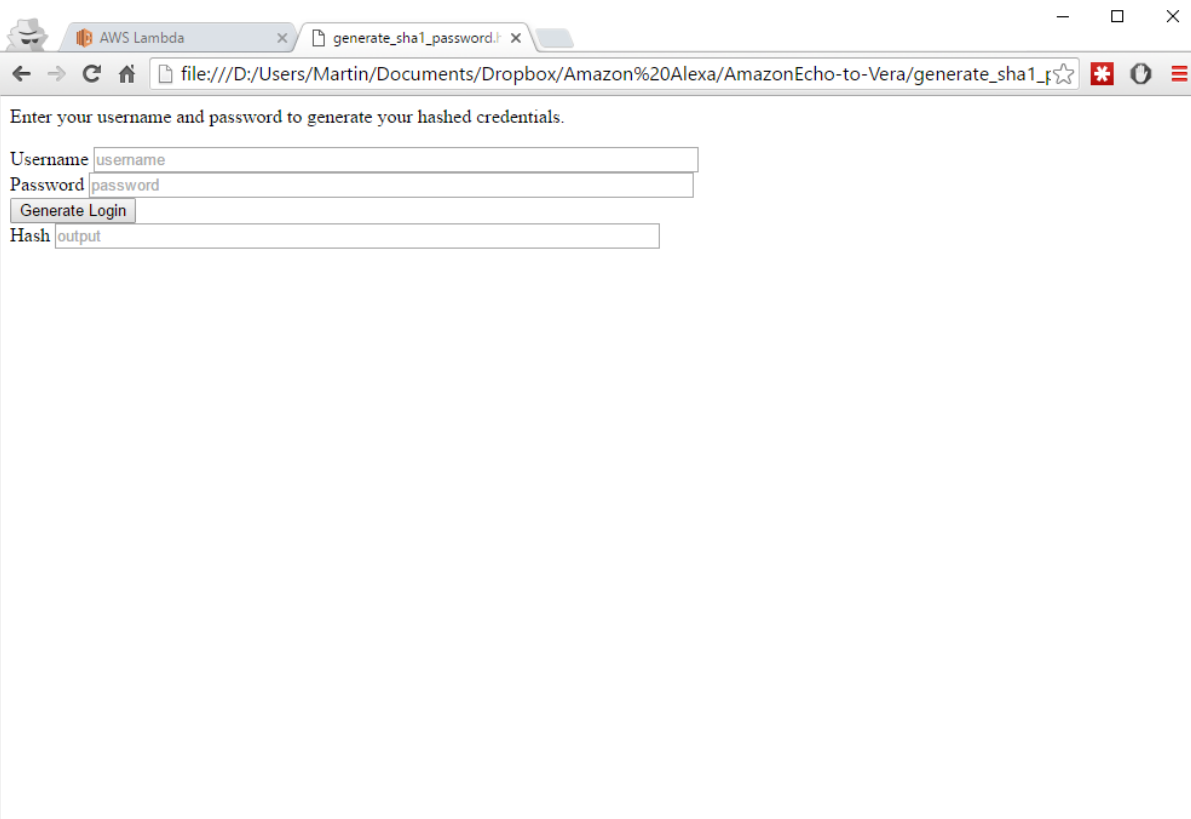


NOTE: These instructions are for setting up a skill for personal use. You may not submit this skill for certification.

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



The screenshot shows a web browser window with two tabs: 'AWS Lambda' and 'generate_sha1_password.html'. The address bar shows the file path: 'file:///D:/Users/Martin/Documents/Dropbox/Amazon%20Alexa/AmazonEcho-to-Vera/generate_sha1_password.html'. The page content includes the instruction 'Enter your username and password to generate your hashed credentials.' followed by a form with four fields: 'Username' (containing 'username'), 'Password' (containing 'password'), 'Generate Login' (a button), and 'Hash' (containing 'output').

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/millmor/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).

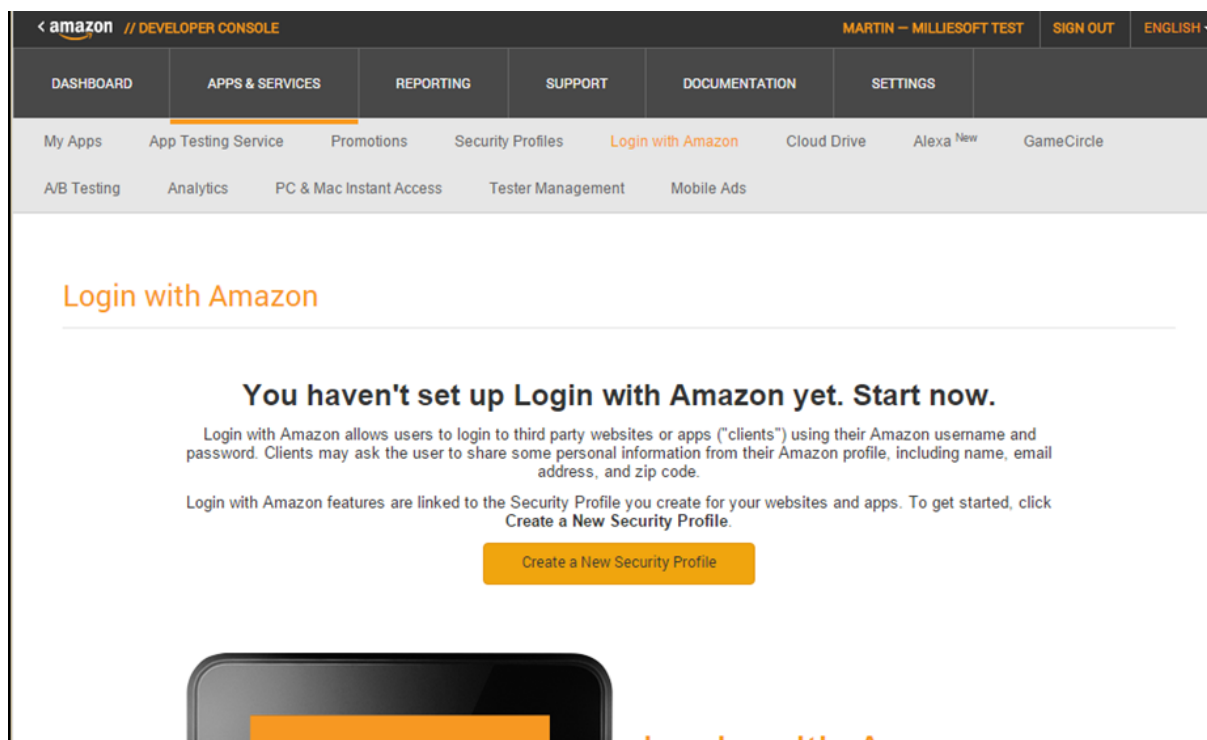
Set the runtime as NodeJS (**not** NodeJS 4.3), and the timeout to 10 seconds.

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

< amazon

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

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Login with Amazon

Login with Amazon allows users to login to registered third party websites or apps ("clients") using their Amazon user name and password. Clients may ask the user to share some personal information from their Amazon profile, including name, email address, and zip code. To get started, select an existing Security Profile or create a new Security Profile. [Learn More](#)

Create a New Security Profile

✔ Login with Amazon successfully enabled for Security Profile. Click ⚙️ to manage Security Profile.

Login with Amazon Configurations

Security Profile Name	OAuth2 Credentials	Manage
Echo Integration	Show Client ID and Client Secret	⚙️

Click on the Manage menu and pick Web Settings

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More Information
[Login with Amazon](#)
[GameCircle](#)
[Device Messaging](#)

🔑 Echo Integration - Security Profile

GeneralWeb SettingsAndroid/Kindle SettingsiOS Settings

To use Login with Amazon with a website, you must specify either an allowed JavaScript origin (for the Implicit grant) or an allowed return URL (for the Authorization Code grant). If you are using Pay with Amazon, you must specify an allowed JavaScript origin. [Learn More](#)

Allowed Origins ?

Allowed Return URLs ?

Edit

Click Edit;

The screenshot shows the Amazon Developer Console interface. At the top, there's a navigation bar with the Amazon logo, 'DEVELOPER CONSOLE', and user information 'MARTIN - MILLIESOFT TEST' with 'SIGN OUT' and 'ENGLISH' options. Below this is a main navigation menu with tabs: DASHBOARD, APPS & SERVICES (selected), REPORTING, SUPPORT, DOCUMENTATION, and SETTINGS. Under 'APPS & SERVICES', there are links for My Apps, App Testing Service, Promotions, Security Profiles (highlighted in orange), Login with Amazon, Cloud Drive, Alexa New, and GameCircle. A secondary menu below includes A/B Testing, Analytics, PC & Mac Instant Access, Tester Management, and Mobile Ads.

The main content area is titled 'Security Profile Management' in orange. To the right, there's a 'More Information' section with links for 'Login with Amazon', 'GameCircle', and 'Device Messaging'. Below the title is a section for 'Echo Integration - Security Profile' with a key icon. It has four tabs: General, Web Settings (selected), Android/Kindle Settings, and iOS Settings.

Under 'Web Settings', there's explanatory text: 'To use Login with Amazon with a website, you must specify either an allowed JavaScript origin (for the Implicit grant) or an allowed return URL (for the Authorization Code grant). If you are using Pay with Amazon, you must specify an allowed JavaScript origin. [Learn More](#)'. Below this are two input fields: 'Allowed Origins' with the value 'https://amazon.com' and an 'Add Another' link, and 'Allowed Return URLs' with the value 'https://pitangui.amazon.com/partner-authorization/establish' and an 'Add Another' link.

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/>