Advanced Free#2103 Workshop

Amazon Web Services (AWS) Lab using the Alexa Skills

- Lab 0 - Setup
- Lab 1 - Create your own AWS IoT Button
- Lab 2 - Command with the Thing
- Lab 3 - Alexa

View the Project on GitHub

Lab 3 - Alexa

Lab 3 - Alexa

Alexa Skills Kit (ASK) is a collection of self-service APIs, tools, documentation and code that enable developers to create high-quality skills for Alexa.

Alexa Skills Kit (ASK) for Lab 3 - Alexa

In this lab you will learn how to:

- Alexa Voice UI (the voice)
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Preliminary

Sign up for an Amazon Developer account

Step 1 - *Develop your first Alexa Skill*

Go to the Alexa Developer Console

Go to the Alexa Developer Console. In the top right corner of the screen, click the "Sign In" button. If you don't already have an Amazon Developer account, you will need to create one first.

Click on the **Create Skill** button in the **Developer Console** and select the **Alexa Skills Kit**. Enter a skill name (for example, "Lab 3 - Alexa") and click the **Create Skill** button.

Select any type of skill (Custom, Flashcards, Trivia) and click the **Create skill** button.

Click on the **Hello World** template and then click the **Create skill** button.

Select the **Alexa-hosted (Node.js)** option and click the **Create skill** button. (NOTE: Alexa-hosted (Node.js) is the default option, so you can just click the **Create skill** button.)

Build the Interaction Model for your skill

Select the **JSON Editor** option on the left side of the screen and paste the following JSON into the interaction model. Select the **Save Model** button and then the **Build Model** button.

Skill Samples

```
{
"interactionModel": {
"languageModel": {
"invocation": "hashtag dev101",
"intents": [
{
"name": "AMAZON.CancelIntent",
"samples": [
]
},
{
"name": "AMAZON.HelpIntent",
"samples": [
]
},
{
"name": "AMAZON.StopIntent",
"samples": [
]
},
{
"name": "AMAZON.NavigateHomeIntent",
"samples": [
]
},
{
"name": "AMAZON.FallbackIntent",
"samples": [
]
},
{
"name": "dev101",
"slots": [
]
}
]
}
}
}
```

We will create a piece of coding using Alexa skills kit to invoke the Amazon Lambda.

Step2 Build your Alexa Skills lambda function

Go to the Amazon Lambda console

Lambda
Functions
Create function
Author from scratch
Blueprint
Blueprints
Blueprints name
Blueprints name
Search
Blueprints name
Blueprints name
Blueprints name