



Tutorial - make your own speech enabled digital assistant

This is a barebone implementation to put your own content and functionality in.

Step 1. Install and test Alexa

- Go to App store or Google play and find Alexa, install and open it
- Create Amazon Account or use your existing account for Alexa
- Ask Alexa some questions, *"How are you doing today?"*, *"Alexa, are you going to take over the world?"*, *"What is the weather today?"*

Step 2. Define dialogue for your digital assistant

We want to enable it by saying to Alexa *"Alexa, please open Jani's fact book"* - replace the name with your own. Then we will hear a welcome message. After the welcome message we can ask Alexa to give us some facts; *"Tell me something"*. Alexa will respond with a fact, then wait for another question from us. Finally we will exit our new **Alexa skill** by saying *"Exit"*.

Define dialogue: 3

- Open developer.amazon.com and select Alexa
- sign in (use your Amazon account)
- Select: your Alexa console - skills

- Select Alexa skills kit - create skill
- Skill name: My facts skill Jani (*use your own name*)
- custom - create skill
- Start from scratch - choose
- From the left-hand menu, select "invocation name", I will use "Jani's facts book" - sav
- Add new intent - AskFact: "Tell me something"
- Set up endpoint: Endpoint - Lambda, copy skill id

Define your server code to match the dialogue:

- Open up aws.amazon.com to set up the server
- open aws management console
- register to the service, you need to use your credit card info
- select lambda - create a function
- name it: JaniFacts
- Node.js 8.10
- rolename: janifacts
- simple microservice permissions
- select create function
- to define a trigger: select Alexa skills kit from list at left
- enter skill id to the empty field at the bottom
- add - save
- click the lambda function at the top "janifacts"
- copy-paste code to the inline editor from <https://tinyurl.com/yab2orq7>
- save code
- copy the arn number from the top right of the screen and paste it as an endpoint to your skill at developer.amazon.com
- save endpoints

To test the skill, go to developer.amazon.com (you probably have it already open), then go to "test" tab, enable testing, and speak to your computer the magic words "Alexa, please open Jani's fact book" <- supply your own invocation phrase there. Then continue by saying "Tell me something".

Now, go to your mobile phone, open Alexa, go to skills, my skills, dev skill - and you should find your own skill in there. You can say to your mobile phone "Alexa, open Jani's fact book" and then "Tell me something" and there it is! Edit the content at aws.amazon.com and impress your colleagues!