Hello Alexa

Setting up
your first skill
and dev environment

LAB

Get an IDE

- Text Editor
- **Atom.IO**
- WebStorm
- etc.

Install Hello

- Create new Lambda function based on **Blank** Function blueprint
- Call the function **HelloWorldSimple**
- Paste in the contents of the src/hello_simple.js file

Install Hello Again

- Create new Lambda function based on “**fact**” Function blueprint
- Call the function **HelloWorld**
- Paste in the contents of the src/index.js file

Test in Lambda

- Within AWS Lambda console
- Click Actions – Configure Test Event
- Choose **Alexa-Start-Session**
- Save and Test
- Notice outputSpeech text

Build Skill Language Model (VUI)

Intent Schema

Sample Utterances

Lambda Code

Create a Hello World Skill

1. Start on Developer.amazon.com
2. Paste text from speechAssets files:
   - IntentSchema.json
   - SampleUtterances.txt
3. Paste in either Hello World Lambda ARN
4. Test!

Local Development

Command Line!

- Mac Terminal
- Windows CMD
- Windows Cygwin

Pre-requisites

Node.JS on your laptop

GIT (recommended)

Download the repository

```
> mkdir alexa
> cd alexa

> git clone
https://github.com/robm26/Cookbook
```

Get to know Node

```
> node --version
> cd Cookbook/HelloWorld/src
> npm list
```

Installing Modules

```
> npm install
```

(installs whatever is in your package.json)

```
> npm install --save alexa-sdk
```

Check your new **node_modules** folder!

Install module globally

```
> npm install --global lambda-local
```

Local Testing

lambda-local

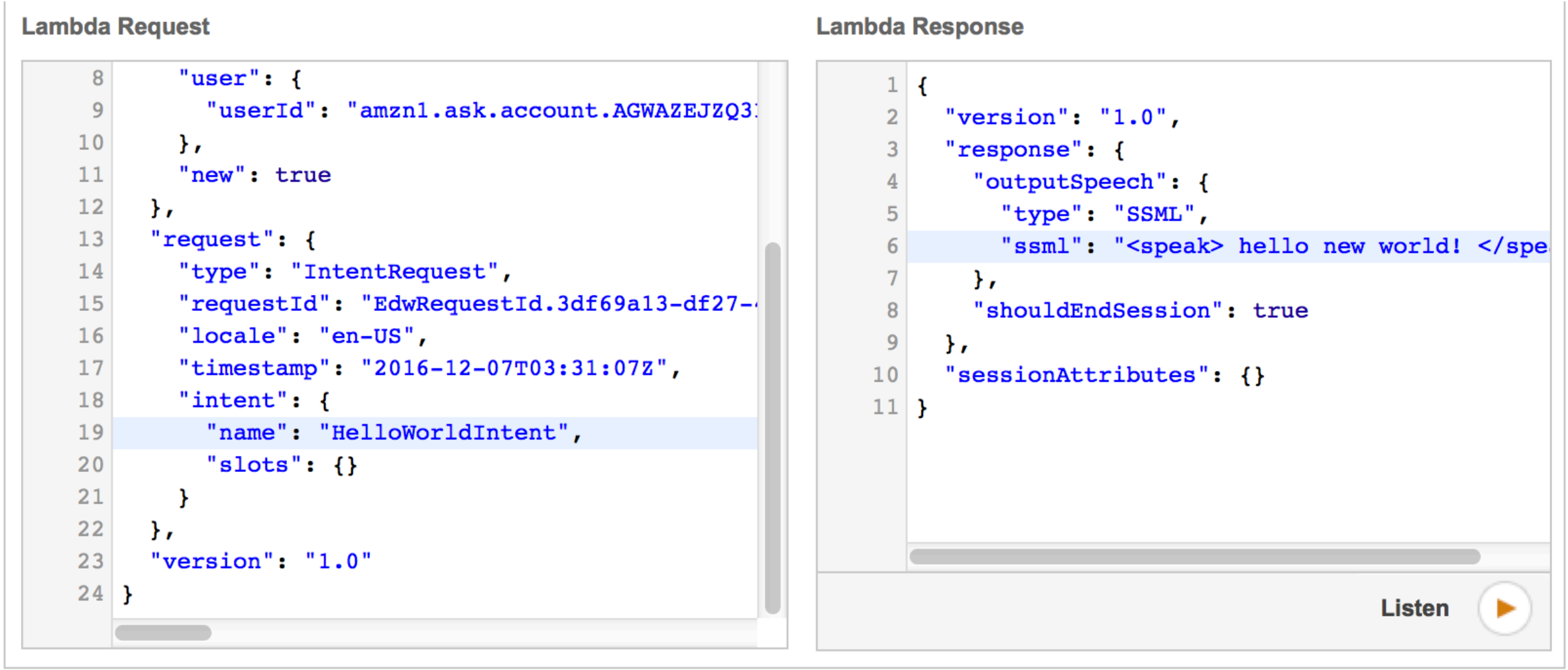
```
> cd HelloWorld/tests
> ./start.sh

lambda-local
    -l ../src/index.js
    -h handler -e events/launch.js
```

lambda-local

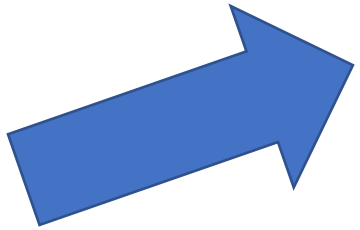
```
> cd events
> ls
```

launch.js
intent.js
intent-slot.js
help.js
stop.js
cancel.js

Request, Response



Deploying to Lambda



Zip an archive

- Zip the contents of your /src folder.
- Do not zip the /src folder itself!

Zip an archive

Install command line tools like 7z (7 zip) if needed.

Install the AWS CLI and automate the publish!

Search for “McCauley Alexa CLI”

https://developer.amazon.com/public/community/post/Tx1UE9W1NQ0GYII/Publishing-Your-Skill-Code-to-Lambda-via-the-Command-Line-Interface

Practice Lab

1. Copy HelloWorld to a new folder
2. Add Intents and Sample Utterances
3. Create new skill on Developer Portal
4. Create and publish new Lambda function with Intent Handlers