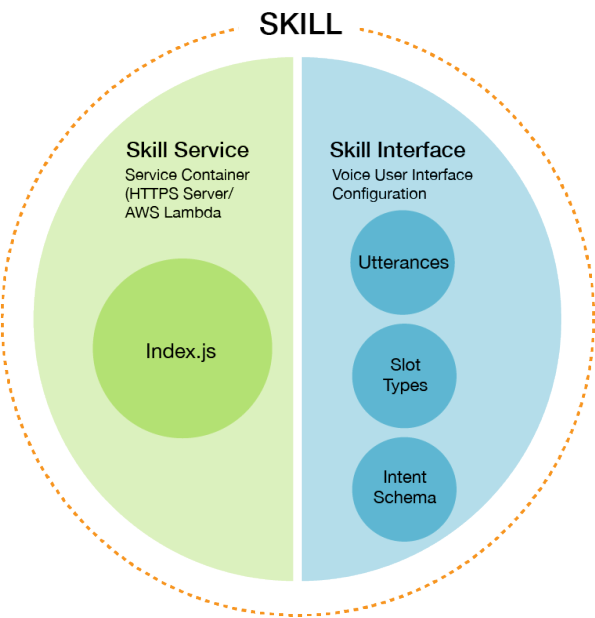


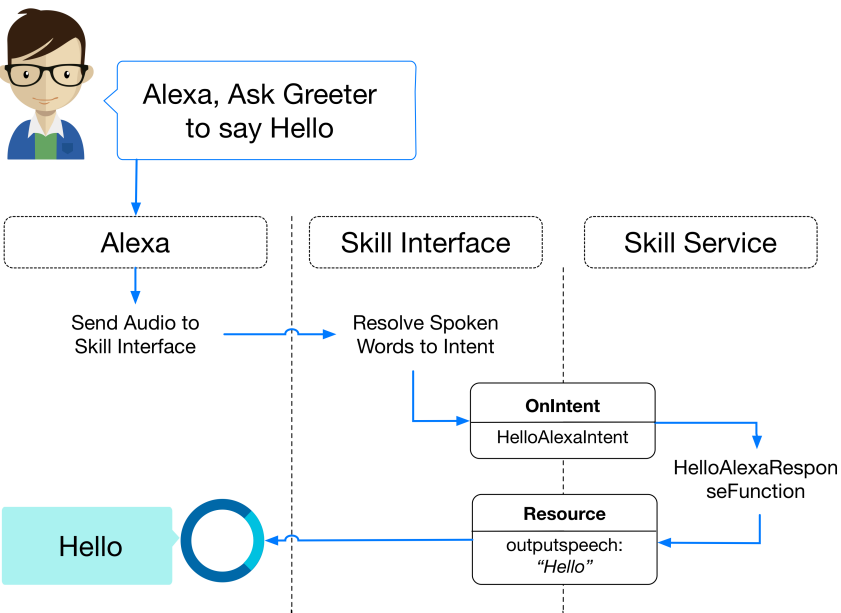
Your First Alexa Skill

Hello, Alexa!

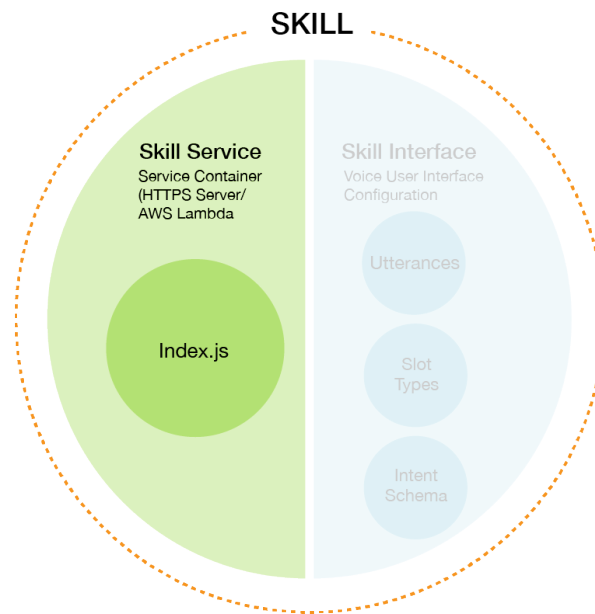
Skill Components



A Complete Request



Skill Service



Skill Service Platform



Defining a Skill Service in Node.js

```
var AlexaSkill = require('./AlexaSkill');
var GreeterService = function() {
    AlexaSkill.call(this, APP_ID);
};

GreeterService.prototype = Object.create(AlexaSkill.prototype);
```

Defining Skill Event Handlers (onLaunch)

```
var SPEECH_OUTPUT = 'Hello World!';
var AlexaSkill = require('./AlexaSkill');
var GreeterService = function() {
    AlexaSkill.call(this, APP_ID);
};

GreeterService.prototype = Object.create(AlexaSkill.prototype);

var helloAlexaResponseFunction = function(intent, session, response) {
    response.tell(SPEECH_OUTPUT);
};

GreeterService.prototype.eventHandlers.onLaunch = helloAlexaResponseFunction;
```

Skill Events

onLaunch

event fired when Skill is initially started

onSessionStarted

called when the session starts

onIntent

event fired when user specifies an Intent

Handling Skill Intents

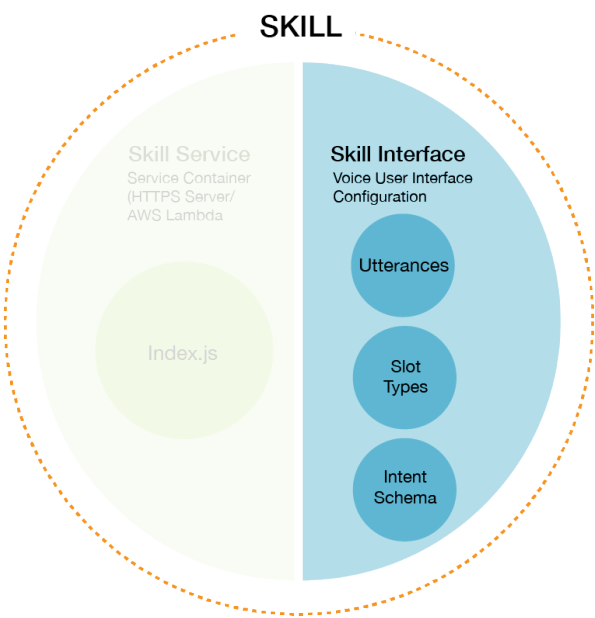
An intent is an indication from a user of a particular task they would like to perform.

```
...
var helloAlexaResponseFunction = function(intent, session, response) {
    response.tell(SPEECH_OUTPUT);
};

GreeterService.prototype.eventHandlers.onLaunch = HelloAlexaResponseFunction;
//used by AlexaSkill.js to handle the intent request

GreeterService.prototype.intentHandlers = {
    'HelloWorldIntent': helloAlexaResponseFunction
};
```


Skill Interface



Configuring the Skill Interface

Skill Interface Configured on the Amazon Skill Interface Console

[< Back to the list of skills](#)[Getting started](#)



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Skill Information ✓

Interaction Model ✓

Configuration ✓

Test ✓

Publishing Information ✓

Privacy & Compliance ✓

Application Id
The ID for this skill
amzn1.echo-sdk-ams.app.36ca5442-e6bf-43e3-9968-6377287aeebb

Skill Type *
You can choose a Skill API or define the interaction model. [Learn more](#)

☒ Custom Interaction Model

☐ Smart Home Skill API

Name *
The name of this skill. This is the name displayed in the Alexa App.

Invocation Name *
The name users will say to interact with this skill. This does not have to be the same as the skill name. The invocation name must comply with the [Invocation Name Guidelines](#)

Save

Submit for Certification

Next

Skill Interface Invocation Name 1/2

Invocation Name *

The name users will say to interact with this skill.
This does not have to be the same as the skill name. The invocation name must comply with the [Invocation Name Guidelines](#)

Skill Interface Invocation Name 2/2




Invocation Name

Alexa, ask Greeter to say Hello.

Skill Interface ARN

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*Fields required for certification

Skill Information

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Endpoint *

The URL for the service endpoint, e.g. [https://myskill.ishere.com/somepath](#), or the Lambda ARN, [More info about AWS Lambda](#) [How to integrate AWS Lambda with Alexa](#)

Account Linking

Do you allow users to create an account or link to an existing account with you? [Learn more](#) *

☐ HTTPS [®] **Lambda ARN (Amazon Resource Name)** [?]

arn:aws:lambda:us-east-1:066215027672:function:GreeterService

Yes

No

Save

Submit for Certification

Next

Interaction Model

- Sample Utterances
- Intent Schema
- Slots & Slot Types

Interaction Model - Sample Utterances

Trains a speech recognition model on Amazon's server to resolve user's "Spoken Utterances" to Intents.


```
HelloWorldIntent say hello
HelloWorldIntent say hello world
HelloWorldIntent hello
HelloWorldIntent say hi
HelloWorldIntent say hi world
HelloWorldIntent say hey there world
HelloWorldIntent hi
HelloWorldIntent how are you
```

Interaction Model - Intent Schema

Declares which intents are implemented on the Service

```
{
  "intents": [
    {
      "intent": "HelloWorldIntent"
    }
  ]
}
```

Completed Interaction Model

**Greeter**
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Skill Information

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*Fields required for certification

Intent Schema*
The schema of user intents in JSON format. For more information, see [Intent Schema](#).
Also see [built-in slots](#) and [built-in intents](#).

```
1 {  
2   "intents": [  
3     {  
4       "intent": "HelloWorldIntent"  
5     }  
6   ]  
7 }
```

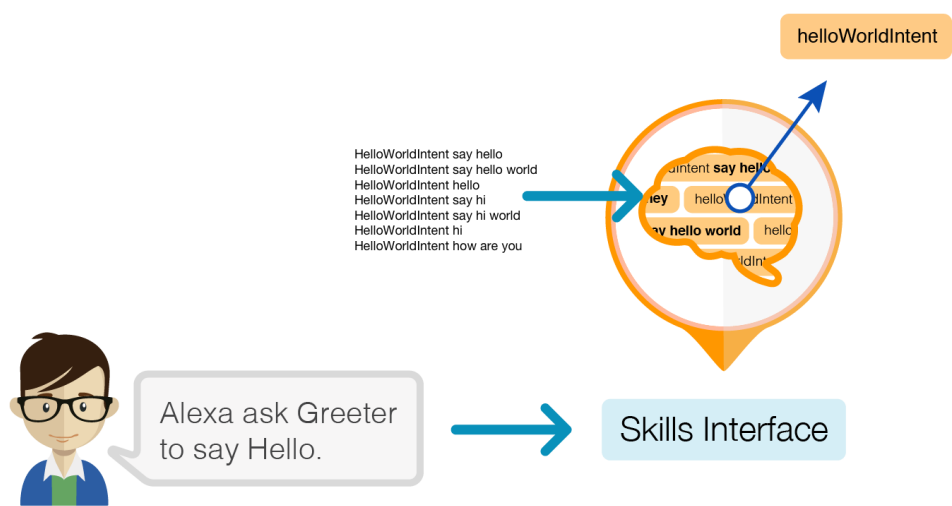
Custom Slot Types
Custom slot types to be referenced by the Intent Schema and Sample Utterances
For general information about custom slots, see [Custom Slot Types](#).
Example: TOPPINGS - cheese | onions | ham (note: newlines displayed as | for brevity)

Add Slot Type

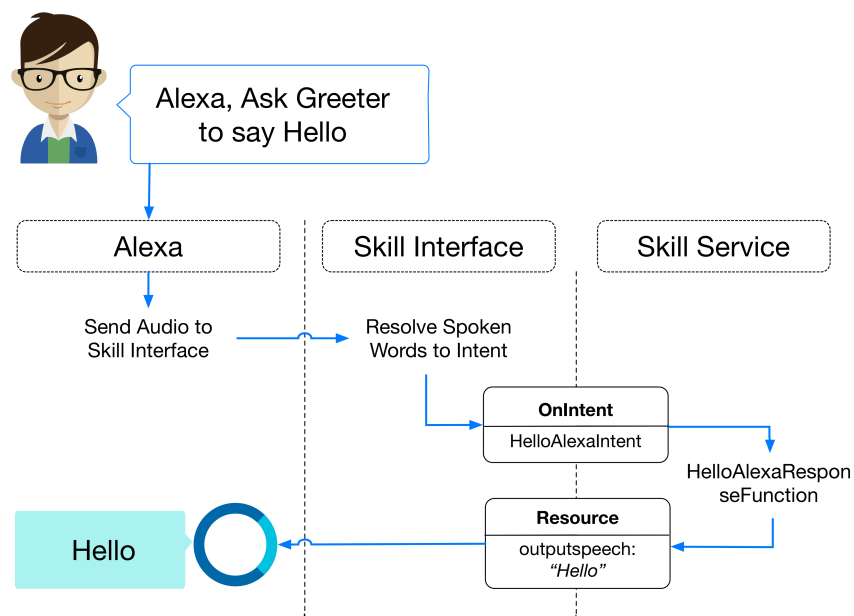
Sample Utterances*
Phrases and users say to interact with the skill. For better results, provide as many samples as you can. Note that you must select three of these to use as your Example Phrases on the Description tab.
For more information, see [Sample Utterances](#).

```
1 HelloWorldIntent say hello  
2 HelloWorldIntent say hello world  
3 HelloWorldIntent hello  
4 HelloWorldIntent say hi  
5 HelloWorldIntent say hi world  
6 HelloWorldIntent hi  
7 HelloWorldIntent how are you
```

Interaction Model Resolves Words to Intents



A Complete Request



Hello, Alexa!

Resources

Course Repository:

<https://github.com/bignerdranch/developing-alexa-skills-solutions>