BOOK RECOMMENDATION CHATBOT

Specify Intent, Utterances & Slots

User Input Data

Translated Output

Send the Input

AWS Console

Amazon Lex

AWS Lambda Function

Amazon Translate

User Input

Chatbot Response
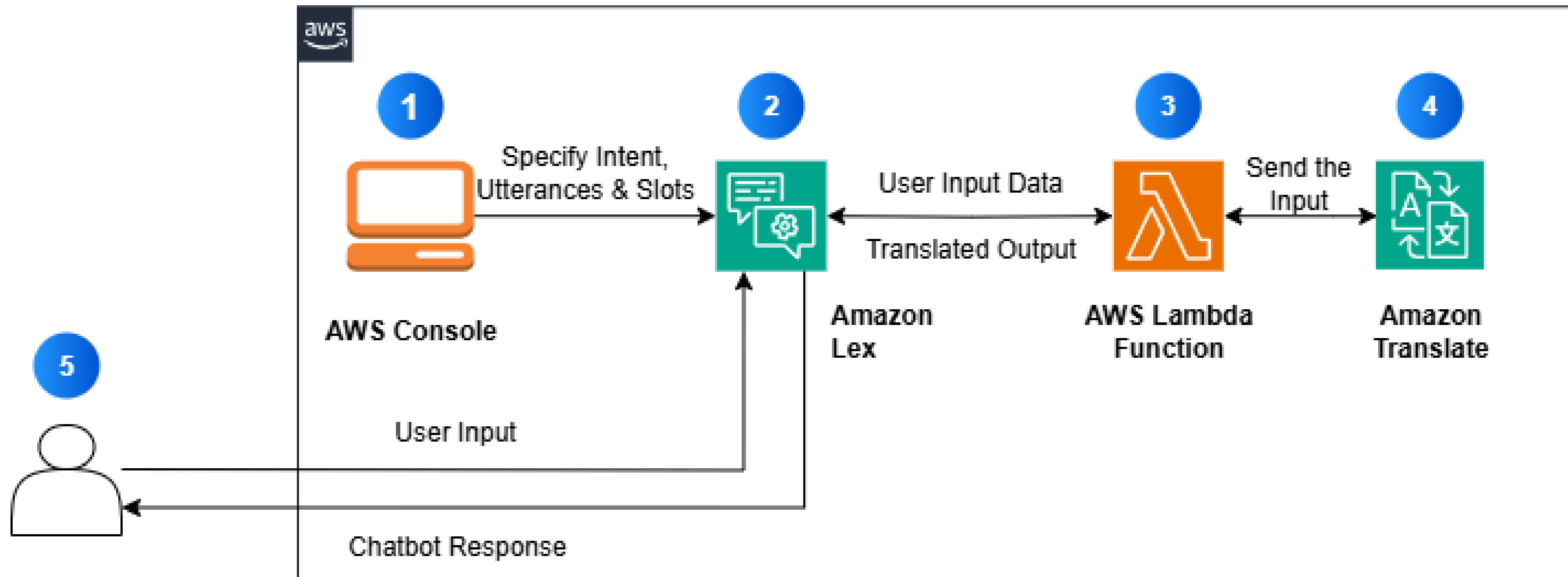
✓ **Role lex-translator-lambda-role created.** [View role] ✕

Roles (3) Info

🔄 [Delete] [Create role]

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

🔍 lex-translator-lambda-role ✕ | **1 match** ‹ **1** › ⚙

☐	Role name ▲	Trusted entities	Last activity ▽
☐	lex-translator-lambda-role	AWS Service: lambda	-

Roles Anywhere Info

[Manage]

Authenticate your non AWS workloads and securely provide access to AWS services.

Access AWS from your non AWS workloads

Operate your non AWS workloads using the same authentication and authorization strategy that you use within AWS.

X.509 Standard

Use your own existing PKI infrastructure or use AWS Certificate Manager Private Certificate Authority ↗ to authenticate identities.

Temporary credentials

Use temporary credentials with ease and benefit from the enhanced security they provide.

✓ **Successfully updated the function BookRecTranslateFn.**   ✕

BookRecTranslateFn

[Throttle] [⧉ Copy ARN] [Actions ▼]

▼ Function overview Info

[Export to Infrastructure Composer] [Download ▼]

(Diagram) | Template

λ **BookRecTranslateFn**

▨ Layers   (0)

[+ Add trigger]   [+ Add destination]

Description
-

Last modified
8 seconds ago

Function ARN
⧉ arn:aws:lambda:us-east-1:047861165358:function:BookRecTranslateFn
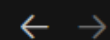
Function URL | Info
-

Code | Test | Monitor | Configuration | Aliases | Versions

Code source Info

[Open in Visual Studio Code ⧉] [Upload from ▼] ▼

← →   🔍 BookRecTranslateFn

☰ EXPLORER   ···   🐍 lambda_function.py ✕

∨ BOOKRECTRANSLATEFN   🐍 lambda_function.py
                                      1   import json, boto3, os, random

BookRecommendationBot

Bot details   Edit

Name
BookRecommendationBot

Description
-

ID: THO8RM8GHY

Add languages Info

Add languages so your bot can engage in conversations. Each language for your bot should be configured with the intent to accomplish a goal: sample utterances allowed to start a dialogue, slots to collect additional information and fulfilment to complete user's request.

View languages   ✓ 1 language

Create versions and aliases for deployment Info

Define versions to snapshot your bot and aliases to set the version that your client applications use.

Amazon Lex ✕

Draft version ▾   English (US) ▾   Not built

ⓘ English (US) has not built changes.   Build   Test

‹ Slot types (1)

🔍 Search

Sort by last updated ▾

GenreType Unsaved

Slot type values

Modify the list of values used to train the machine-learning model to recognise values for a slot.

| fantasy | ✕ |

| mystery | ✕ |

| romance | ✕ |

| sci-fi (synonyms: science fiction, scifi) | ✕ |

| non-fiction (synonyms: nonfiction) | ✕ |

| history | ✕ |

| self-help (sysnonyms: self help) | ✕ |

| biography | ✕ |

| Value | **Add value**

Maximum 140 characters. Valid characters: A–Z, a–z, 0–9, @, #, $

☐ Use slot values as custom vocabulary. Info

Save slot type

Draft version ▾ English (US) ▾ Not built

ⓘ English (US) has not built changes. Build Test

‹ Slot types (2)

🔍 Search

Sort by last updated ▾

LanguageType Unsaved

GenreType

Slot type values

Modify the list of values used to train the machine-learning model to recognise values for a slot.

🔍 Search slot type values

| English (syn: en) | ✕ |

| Hindi (syn: hi) | ✕ |

| Malayalam (syn: ml) | ✕ |

| Tamil (syn: ta) | ✕ |

| Arabic (syn: ar) | ✕ |

| French (syn: fr) | ✕ |

| German (syn: de) | ✕ |

| Value | Add value |

Maximum 140 characters. Valid characters: A–Z, a–z, 0–9, @, #, $

☐ Use slot values as custom vocabulary. Info

Save slot type

Draft version ▼   English (US) ▼   Not built

ⓘ English (US) has not built changes.   Build   Test

Slot types (2) Info

Delete   Add slot type ▼

🔍 Search slot types

< 1 >   ⚙

	Name ▽	Description ▽	Type ▽	Last edited ▼
○	LanguageType	-	Custom	Now
○	GenreType	-	Custom	2 minutes ago

Draft version ▼   English (US) ▼   Successfully built   Build   Test

Intents (2)   Info   Delete   Add intent ▼

An intent represents an action that the user wants to perform.

🔍 Search intents   < 1 > ⚙

	Name ▽	Description	Last edited ▼
○	GetBookRecommendations	-	Now
○	FallbackIntent	Default intent when no other intent matches	14 minutes ago