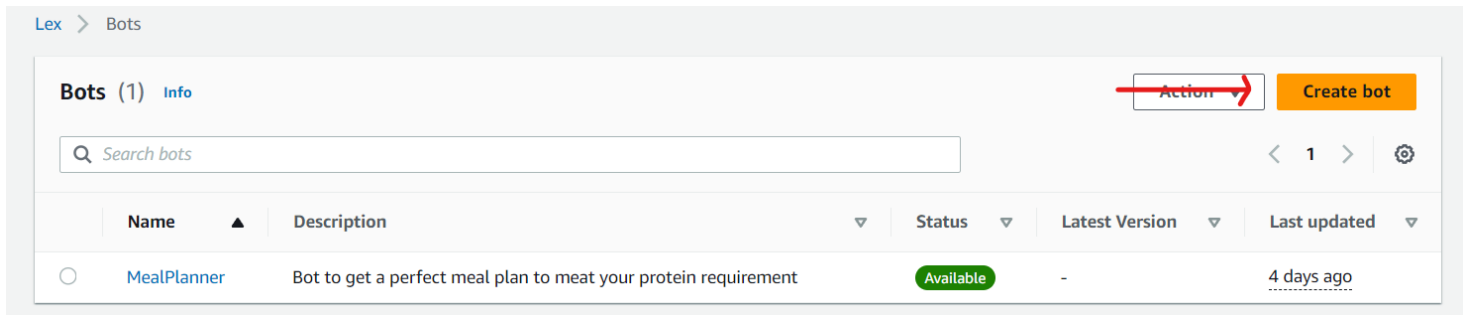


How to make chatbot on Amazon LEX?

Follow the given steps:

Step 1:

- Setup the basics of Amazon LEX i.e create a chatbot initially

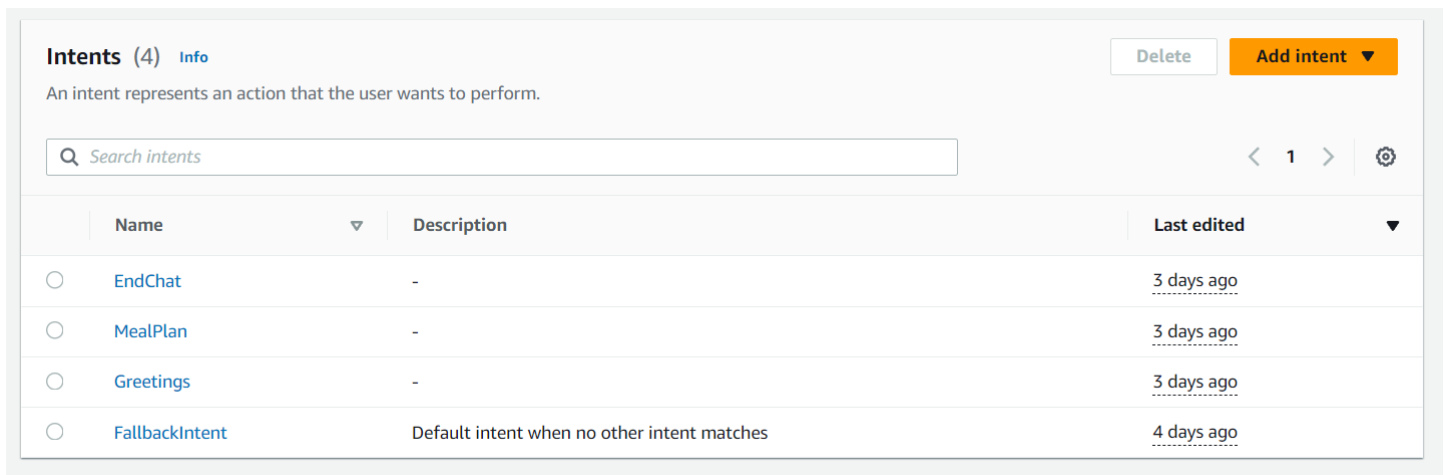


The screenshot shows the Amazon Lex Bots console. At the top, there's a breadcrumb 'Lex > Bots'. Below it, a header bar for 'Bots (1)' includes an 'Info' link, a search bar, and a 'Create bot' button. A red arrow points to an 'Action' dropdown menu. Below the header is a table with columns: Name, Description, Status, Latest Version, and Last updated. One bot is listed: 'MealPlanner' with the description 'Bot to get a perfect meal plan to meat your protein requirement', status 'Available', latest version '-', and last updated '4 days ago'.

Name	Description	Status	Latest Version	Last updated
MealPlanner	Bot to get a perfect meal plan to meat your protein requirement	Available	-	4 days ago

Step 2:

- Create intents for different activities you will be performing via chatbot, eg: MealPlan is responsible for taking information from user as input and according to it gives meal plan to the user. Greetings is responsible for greeting the user, EndChat is responsible for replying when the user ends the chat.



The screenshot shows the Amazon Lex Intents console. At the top, there's a breadcrumb 'Lex > Intents'. Below it, a header bar for 'Intents (4)' includes an 'Info' link, a 'Delete' button, and an 'Add intent' button. Below the header is a table with columns: Name, Description, and Last edited. Four intents are listed: 'EndChat', 'MealPlan', 'Greetings', and 'FallbackIntent'. The 'FallbackIntent' has a description: 'Default intent when no other intent matches'.

Name	Description	Last edited
EndChat	-	3 days ago
MealPlan	-	3 days ago
Greetings	-	3 days ago
FallbackIntent	Default intent when no other intent matches	4 days ago

Step 3:

- Create custom slots or inbuilt slots for the chatbot

Slot types (5) [Info](#)

DeleteAdd slot type ▼

< 1 > ⚙

	Name ▼	Description ▼	Type ▼	Last edited ▼
<input type="radio"/>	Gender	-	Custom	2 days ago
<input type="radio"/>	Extras	-	Custom	3 days ago
<input type="radio"/>	Weight	-	Custom	4 days ago
<input type="radio"/>	Height	-	Custom	4 days ago
<input type="radio"/>	DietType	-	Custom	4 days ago

Step 4:

- Example of how I created the MealPlan

Sample utterances (5) [Info](#)

Representative phrases that you expect a user to speak or type to invoke this intent. Amazon Lex extrapolates based on the sample utterances to interpret any user input that may vary from the samples. The priority order of the sample utterances is not used to determine intent classification output.

Sort by added (ascending) ▼

Preview

Plain text

May i get a meal plan

I want a meal plan

Can you make me a meal plan

I want a **{DietType}** meal plan

meal plan

This is how you use slots and make it compulsory that a question for that slot is asked, you can also create slot cards for the slot so that it looks more presentable.

▼ Slots (5) - optional [Info](#)

Information that a bot needs to fulfill the intent. The bot prompts for slots required for intent fulfillment, in priority order below.

Q Filter

▶ Prompt for slot: DietType

Message: What kind of meal plan do you want? (Veg, ...

Slot type

DietType

×

▶ Prompt for slot: Gender

Message: May i know your gender? (Male/Female)

Slot type

Gender

×

▶ Prompt for slot: Weight

Message: May i know your weight? eg. 65 kg

Slot type

Weight

×

▶ Prompt for slot: Height

Message: May i know your height? eg. 170 cm

Slot type

Height

×

▶ Prompt for slot: Extralngredient

Message: Would you like to add extra ingrediants that ...

Slot type

Extras

×

Q Filter

▼ Prompt for slot: Gender

Message: May i know your gender? (Male/Female)

☒ Required for this intent

The bot will prompt for this slot during fulfillment.

Name

Gender

Prompts

May i know your gender? (Male/Female)

You can use the advanced options settings to customize the prompt.

Advanced options

Slot prompts [Info](#)

Prompts to elicit the slot.

▼ Bot elicits information

Message: May i know your gender? (Male/Female)

☐ Play the messages in order [Info](#)

Messages will be used in the predefined order as slots are required.

▼ Message group [Info](#)

You can define a text message group to respond using prompts.

Message

May i know your gender? (Male/Female)

▶ Variations - optional

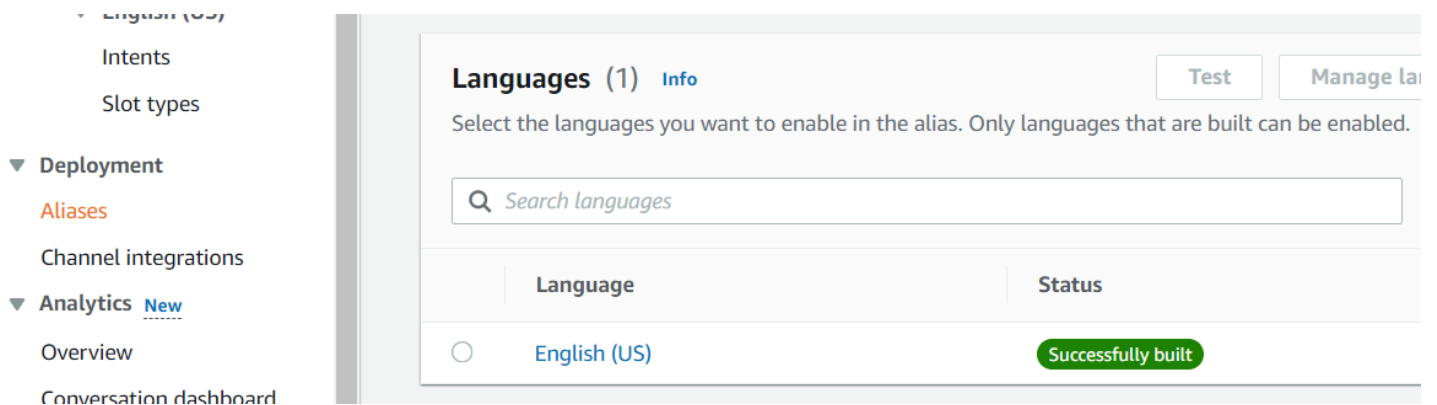
More prompt options

1 more message group: 1 card group.

Arrows above denote how to access slot cards

Step 5:

- How to connect Amazon LEX with Amazon Lambda
- Go to alias and select default option
- Then go to language and then select the language



The screenshot shows the Amazon Lex console interface. On the left is a navigation menu with options: Intents, Slot types, Deployment, Aliases, Channel integrations, Analytics, Overview, and Conversation dashboard. The main panel is titled 'Languages (1)' and includes an 'Info' link, a 'Test' button, and a 'Manage languages' button. Below the title is a search bar labeled 'Search languages'. A table lists the configured languages:

Language	Status
English (US)	Successfully built

Alias language support: English (US)

▼ Lambda function - *optional*

The Lambda function is invoked for initialization, validation, and fulfillment.

Source

meal ▼

Lambda function version or alias

\$LATEST ▼

[Learn more about Lambda](#) 

Cancel

Save

And like this you can select the lambda function you have created, also the code I have provided is as per the bot I have made you can make the necessary changes accordingly :)

Integrating the bot with **KOMMUNICATE** is pretty easy you can easily do it, you can go through their youtube demo.