

# Lex bot config

Lex > Bots > Bot: semAI > Versions > Version: Draft > All languages > Language: English (US) > Intents

Draft version ▾

English (US) ▾

Successfully built

English (US) has not built changes.

Build

Test

Intents (4) Info

Delete

Add intent ▾

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

Search intents

< 1 > ⚙

	Name ▾	Description	Last edited ▾
<input type="radio"/>	GoodbyeIntent	Concluding the chat	1 day ago
<input type="radio"/>	WelcomeIntent	-	1 day ago
<input type="radio"/>	DictionaryIntent	-	1 day ago
<input type="radio"/>	FallbackIntent	Default intent when no other intent matches	1 day ago

Lex > Bots > Bot: semAI > Versions > Version: DRAFT > All languages > Language: English (US) > Intents > Intent: WelcomeInt...

Draft version ▾

English (US) ▾

Successfully built

English (US) has not built changes.

Build

Test

Intent: WelcomeIntent Info

An intent represents an action that fulfils a user's request. Intents can have arguments called slots that represent variable information.

Conversation flow Info

Intent details Info

Intent name

WelcomeIntent

Maximum 100 characters. Valid characters: A-Z, a-z, 0-9, -, \_

Intent and utterance generation description

Describe the purpose of your intent. This will also be used when generating utterances for your intent.

Maximum 200 characters.

ID: SFGOFUJ04

## Sample utterances (6) [Info](#)

[What's this?](#)

[Generate utterances](#)

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.

**i** To generate utterances, you must have permissions to Amazon Bedrock. Amazon Lex will make calls to Amazon Bedrock. Additional charges may be incurred based on the usage of Amazon Bedrock. [Learn more](#) [↗](#) **X**

[Filter](#)

Sort by added (ascending) ▼

Preview

Plain text

Hi

Hello

Wassup

Help

Helo

Maximum 500 characters.

## Initial response [Info](#)

You can provide messages to acknowledge the user's initial request. You can also configure the next step in the conversation and branch based on conditions.

### ▼ Response to acknowledge the user's request

Message: Haba! Selamat datang to the SemAI! 🌟 I'm here to help you explore the beautiful Semai language....

### ▼ Message group [Info](#)

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

Message - optional

Haba! Selamat datang to the SemAI! 🌟 I'm here to help you explore the beautiful Semai language.

► Variations - optional

Advanced options

1 more message group: 1 card group.

### ▼ Slots (0) - optional [Info](#)

Information that a bot needs to fulfil the intent. The bot prompts for slots required for intent

Add slot

Draft version

Maximum 500 characters.

**Initial response**

You can provide messages to a bot based on conditions.

▼ Response to acknowledge

Message: Haba! Selamat datang

▼ Message group

You can define a text message

Message - optional

Haba! Selamat datang

► Variations - optional

Advanced options

1 more message group: 1 can be added

▼ Slots (0) - optional

Information that a bot needs to fulfill a request

EditorVisual builder

Initial response advanced options > Initial response editor

Card 1 + Add card

You can use a response card with Facebook Messenger, Slack, Twilio or your own client applications.

Image URL

http://www.example.com/image.png

Must be an Amazon S3 object URL.

Title

What would you like to do today?

Maximum 250 characters. Valid characters: A-Z, a-z, 0-9, @, #, \$

Subtitle

Maximum 250 characters. Valid characters: A-Z, a-z, 0-9, @, #, \$

▼ Buttons - optional

Button 1 title

Learn Semai (Semai-Eng-M)

Button title can have up to 50 characters.

Button 1 value

Dictionary Enabled

Button value can have up to 50 characters.

Button 2 title

Folklore Story

Button title can have up to 50 characters.

Button 2 value

List Folklore Titles

Button value can have up to 50 characters.

CancelUpdate responses

[Back to intents list \(4\)](#)

Sort by last updated

GoodbyeIntent  
WelcomeIntent  
DictionaryIntent  
FallbackIntent

### Sample utterances (1)

[What's this?](#)

[Generate utterances](#)

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.

**To generate utterances, you must have permissions to Amazon Bedrock. Amazon Lex will make calls to Amazon Bedrock. Additional charges may be incurred based on the usage of Amazon Bedrock. [Learn more](#)**

Sort by added (ascending)

Preview

Plain text

Dictionary Enabled

Amazon Lex

Back to intents list (4)

Search

Sort by last updated

GoodbyeIntent

WelcomeIntent

DictionaryIntent

FallbackIntent

Draft version

Fulfilment

Run a lambda function to fulfil

On successful fulfilment

Message: -

On successful fulfilment

Your request was compl

In case of failure

Something went wrong

Advanced options

Configure success, failure and

Fulfilment advanced options

Fulfilment Lambda code hook

You can enable Lambda functions to initialise the conversation, validate user input and execute fulfilment.

Use a Lambda function for fulfilment

You can use AWS Lambda to fulfil your intent. The Lambda function is invoked after slot elicitation and confirmation. Use this function to fulfil your intent.

Fulfilment updates

You can configure the Lambda function to execute in the background. You can set the messages sent at the start and

Tell the user that fulfilment has started

Message: -

Periodically update the user about fulfilment progress

Message: -

Back to intents list (4)

Search

Sort by last updated

GoodbyeIntent

WelcomeIntent

DictionaryIntent

FallbackIntent

To generate utterances, you must have permissions to Amazon Bedrock. Amazon Lex will make calls to Amazon Bedrock. Additional charges may be incurred based on the usage of Amazon Bedrock. [Learn more](#)

Filter

Sort by added (ascending)

Preview

Plain text

Goodbye

Bye

Thank you

Thanks

Bye-bye

Bye bye

Amazon Lex

Back to intents list (4)

Search

Sort by last updated

GoodbyeIntent

WelcomeIntent

DictionaryIntent

FallbackIntent

Draft version

English (US)

Successfully built

English (US) has not bui

Initial response

You can provide messages to acknowledge the user's initial request. You can also configure the next step in the conversation and branch based on conditions.

Response to acknowledge the user's request

Message: Thank you for chatting with me. Hope you learnt something new. Goodbye.

Message group

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

Message - optional

Thank you for chatting with me. Hope you learnt something new. Goodbye.

Variations - optional

Advanced options

Configure user request acknowledgement response, dialogue code hook and conditional branches.

Slots (0) - optional

# Lambda config

Lambda > Functions > semaibot

Code

Test

Monitor

Configuration

Aliases

Versions

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags

VPC

RDS databases

Monitoring and operations tools

General configuration

Description

Timeout

Memory

SnapStart

Ephemeral storage

# IAM Role Semaibot lambda (lex – bedrock) config

IAM > Roles > semaibot-role-4fmqhw4t

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

Access reports

semaibot-role-4fmqhw4t

Summary

Creation date

Last activity

ARN

Maximum session duration

Permissions

Trust relationships

Tags

Last Accessed

Revoke sessions

Permissions policies (2)

You can attach up to 10 managed policies.

Search

Filter by Type

Policy name	Type	Attached entities
AWSLambdaBasicExecutionRole-d4bc...	Customer managed	1
lexbed	Customer inline	0

## Modify permissions in lexbed [Info](#)

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Policy editor

VisualJSONActions

1 {  
2 "Version": "2012-10-17",  
3 "Statement": [  
4 {  
5 "Effect": "Allow",  
6 "Action": [  
7 "bedrock:Retrieve"  
8 ],  
9 "Resource": [  
10 "arn:aws:bedrock:us-east-1:631806844084:knowledge-base/VHSLG3HIGZ",  
11 "arn:aws:bedrock:us-east-1:631806844084:knowledge-base/VHSLG3HIGZ/data-source/4PIRJ2DOWU"  
12 "arn:aws:bedrock:us-east-1:631806844084:knowledge-base/VHSLG3HIGZ/data-source/AYENPVVUUB"  
13 ]  
14 },  
15 {  
16 "Effect": "Allow",  
17 "Action": [  
18 "bedrock:RetrieveAndGenerate"  
19 ],  
20 "Resource": "\*"  
21 },  
22 {  
23 "Effect": "Allow",  
24 "Action": "bedrock:InvokeModel",  
25 "Resource": "arn:aws:bedrock:us-east-1::foundation-model/amazon.nova-pro-v1:0"  
26 },  
27 {  
28 "Effect": "Allow",  
29 "Action": "polly:SynthesizeSpeech",  
30 "Resource": "\*"  
31 }  
32 ]  
33 }

Edit statement

Select a statement

Select an existing statement in the policy or add a new statement.

+ Add new statement

+ Add new statement

JSON Ln 3, Col 159622 of 10240 characters remaining

# Bedrock config (knowledge base)

Amazon Bedrock

Knowledge Bases

knowledge-base-semAI

Discover

Overview

Model catalog

API keys

Test

Chat / Text playground

Image / Video playground

Watermark detection

Infer

Cross-region inference

Batch inference

Provisioned Throughput

Custom model on-demand

Tune

Custom models

Prompt router models

Imported models

Marketplace model deployment

Build

knowledge-base-semAI

Test Knowledge Base

Delete

Knowledge Base overview

Knowledge Base name

knowledge-base-semAI

Knowledge Base ID

VHSLG3HIGZ

Knowledge Base description

Service Role

AmazonBedrockExecutionRoleForKnowledgeBase\_2tjl

Status

Available

Created date

September 21, 2025, 11:19 (UTC+08:00)

Log Deliveries

Configure log deliveries and event logs in the Edit page.

Retrieval-Augmented Generation (RAG) type

Vector store

Data source (2)

Data sources contain information returned when querying a Knowledge Base.

Find data source

Sync

Stop sync

Add

1

	Data source name	Status	Data sour...	Account ID	Source Link	Last sync ...
<input type="checkbox"/>	knowledge-base-quick-start-be0xi-data-source-folklore	Available	S3	63180684...	s3://sema...	Septembe...
<input type="checkbox"/>	knowledge-base-quick-start-03qvx-data-source-dictionary	Available	S3	63180684...	s3://sema...	Septembe...

Amazon Bedrock

Knowledge Bases

knowledge-base-semAI

knowledge-base-quick-start-03qvx-data-source-dictionary

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Introducing S3 Vectors as a vector store (currently in preview)

53 vector buckets are optimized for durable and cost-effective storage of large long-term data sets while maintaining subsecond query performance. This feature is currently in preview and we don't recommend using it for production workloads.

Create Knowledge Base

Data source: knowledge-base-quick-start-03qvx-data-source-dictionary

Sync

Stop sync

Edit

Delete

Data source overview

Name

knowledge-base-quick-start-03qvx-data-source-dictionary

Data source type

Amazon S3

Serverside KMS key

-

Account ID

-

Chunking strategy

Default

Lambda function

-

Data source ID

VGCHQWUJ8Y

Created date

September 21, 2025, 13:43 (UTC+08:00)

Status

Available

Data deletion policy

DELETE

Parsing strategy

Default

S3 bucket for Lambda function

-

Amazon Bedrock

Knowledge Bases

knowledge-base-semAI

knowledge-base-quick-start-be0xi-data-source-folklore

Discover

Overview

Model catalog

API keys

Test

Chat / Text playground

Image / Video playground

Watermark detection

Infer

Cross-region inference

Batch inference

Provisioned Throughput

Custom model on-demand

Tune

Custom models

Prompt router models

Imported models

Marketplace model deployment

Data source: knowledge-base-quick-start-be0xi-data-source-folklore

Sync

Stop sync

Edit

Delete

Data source overview

Name

knowledge-base-quick-start-be0xi-data-source-folklore

Data source type

Amazon S3

Serverside KMS key

-

Account ID

-

Chunking strategy

Default

Lambda function

-

Data source ID

4PIRJ2DOWU

Created date

September 21, 2025, 11:59 (UTC+08:00)

Status

Available

Data deletion policy

DELETE

Parsing strategy

Default

S3 bucket for Lambda function

-

Sync history (2)

Find sync history

View warnings

1

# Front-end

## API Gateway

API Gateway

APIs

Custom domain names

Domain name access associations

VPC links

▼ API: LexBot

Resources

Stages

Authorizers

Gateway responses

Models

Resource policy

Documentation

Dashboard

API settings

Usage plans

API keys

Resources

Create resource

/

/chat

OPTIONS

POST

/LexBot

ANY

/LexBot2

ANY

Resource details

Delete

Update documentation

Enable CORS

Path  
/chat

Resource ID  
izzkir

Methods (2)

Delete

Create method

	Method type	Integration type	Authorization	API key
<input type="radio"/>	OPTIONS	Mock	None	Not required
<input type="radio"/>	POST	Lambda	None	Not required

API Gateway

APIs

Custom domain names

Domain name access associations

VPC links

▼ API: LexBot

Resources

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Resource policy

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API keys

Client certificates

Resources

Create resource

/

/chat

OPTIONS

POST

/LexBot

ANY

/LexBot2

ANY

/chat - OPTIONS - Method execution

Update documentation

Delete

ARN  
arn:aws:execute-api:us-east-1:631806844084:3rsqo7od16/\*/\*OPTIONS/chat

Resource ID  
izzkir

Client

Method request

Integration request

Mock integration

Method response

Integration response

Method request

Integration request

Integration response

Method response

Test

Method request settings

Edit

Authorization  
NONE

API key required  
False

Request validator  
None

SDK operation name  
Generated based on method and path

API Gateway

APIs

Custom domain names

Domain name access associations

VPC links

▼ API: LexBot

Resources

Stages

Authorizers

Gateway responses

Models

Resource policy

Documentation

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Usage plans

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Client certificates

Resources

Create resource

/

/chat

OPTIONS

POST

/LexBot

ANY

/LexBot2

ANY

/chat - POST - Method execution

Update documentation

Delete

ARN  
arn:aws:execute-api:us-east-1:631806844084:3rsqo7od16/\*/\*POST/chat

Resource ID  
izzkir

Client

Method request

Integration request

Lambda integration

Method response

Integration response  
Proxy integration

Method request

Integration request

Integration response

Method response

Test

Method request settings

Edit

Authorization  
NONE

API key required  
False

Request validator  
None

SDK operation name  
Generated based on method and path



# Cloudfront

CloudFront

Distributions

E1EAAJ1S1A1LF

CloudFront

Distributions

Functions

Static IPs

VPC origins

What's new

SaaS

Multi-tenant distributions

Distribution tenants

Telemetry

Monitoring

Alarms

Logs

Reports & analytics

Cache statistics

Popular objects

Top referrers

Usage

Viewers

semAI

Standard

View metrics

General

Security

Origins

Behaviors

Error pages

Invalidations

Tags

Logging

Details

Name

semAI

Distribution domain name

dkhgr6eupvoco.cloudfront.net

ARN

arn:aws:cloudfront::631806844084:distribution/E1EAAJ1S1A1LF

Last modified

September 21, 2025 at 4:32:23 AM UTC

Settings

Edit

Description

semal chatbot

Price class

Use all edge locations (best performance)

Supported HTTP versions

HTTP/2, HTTP/1.1, HTTP/1.0

Alternate domain names

-

Add domain

Standard logging

Off

Cookie logging

Off

Default root object

-

Continuous deployment

Info

Create staging distribution

CloudFront

Policies

Cache

CloudFront

Distributions

Policies

Functions

Static IPs

VPC origins

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Multi-tenant distributions

Distribution tenants

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Viewers

Distribution tenants

Telemetry

Monitoring

Alarms

Logs

Reports & analytics

Cache statistics

Popular objects

Top referrers

Usage

Viewers

Managed policies

Info

Name	Description
<a href="#">Amplify</a>	Policy for Amplify Origin
<a href="#">Amplify-Default</a>	Default Amplify cache policy
<a href="#">Amplify-Default-V2</a>	Default Amplify cache policy
<a href="#">Amplify-DefaultNoCookies</a>	Default Amplify cache policy without cookies
<a href="#">Amplify-DefaultNoCookies-V2</a>	Default Amplify cache policy without cookies
<a href="#">Amplify-ImageOptimization</a>	Amplify cache policy for image optimization
<a href="#">Amplify-ImageOptimization-V2</a>	Amplify cache policy for image optimization
<a href="#">Amplify-StaticContent</a>	Amplify cache policy for static content
<a href="#">Amplify-StaticContent-V2</a>	Amplify cache policy for static content
<a href="#">CachingDisabled</a>	Policy with caching disabled
<a href="#">CachingOptimized</a>	Policy with caching enabled. Supports Gzip and Brotli compression.
<a href="#">CachingOptimizedForUncompressedObjects</a>	Default policy when compression is disabled
<a href="#">Elemental-MediaPackage</a>	Policy for Elemental MediaPackage Origin
<a href="#">Elemental-MediaPackage-V2</a>	Policy for Elemental MediaPackage Origin
<a href="#">UseOriginCacheControlHeaders</a>	Policy for origins that return Cache-Control headers. Query strings are not included in the cache key.
<a href="#">UseOriginCacheControlHeaders-QueryStrings</a>	Policy for origins that return Cache-Control headers and serve different content based on values present in the query

Custom policies (0)

Info

Edit

Delete

Create cache policy

Filter policies

< 1 >

Name

Description

Last modified

Distributions

No custom cache policies