

CHAT BOT



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AWS LEX



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End Lab

00:00:00

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EN - English ▾

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Guided Lab: Natural Language Processing

Lab overview

Natural language processing (NLP) is a common use case for machine learning (ML).

In this lab, you will learn how to use Amazon Lex to create a chatbot that users can interact with to create a dental appointment.

The high-level steps you will perform are:

- Create and test a bot by using the Amazon Lex *ScheduleAppointment* blueprint
- Create and test an AWS Lambda function to perform initiation, validation, and fulfillment tasks

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AWS Management Console

AWS services

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Amazon Lex

► All services

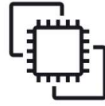
Build a solution

Get started with simple wizards and automated workflows.

Launch a virtual machine

With EC2

2-3 minutes



Build a web app

With Elastic Beanstalk

6 minutes



Build using virtual servers

With Lightsail

1-2 minutes



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With Route 53

Connect an IoT device

With AWS IoT

Start migrating to AWS

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Amazon Location Service

Amazon Lex



Bots

► Related resources

[Return to the V1 console](#)

Lex > Bots



Welcome to the Lex V2 console!

You can now build, deploy and manage bots with more ease.

- Multiple languages can be added to a bot so you can manage them as a single resource.
- A simplified user experience lets you efficiently manage your bot versions.
- Capabilities such as "Conversation Flow", partial saving of bot configuration, and bulk upload of utterances give you more flexibility.

[Learn More](#)Bots (0) [Info](#)

Q Search bots

Action ▼

Create bot

< 1 > ⚙️

Name



Description



Status



Latest Version



No bots found

Create bot

Import/export history (0) [Info](#)

Q Search import/export history

Delete selected

< 1 > ⚙️



Type



Bot



Status



Errors



Last updated



File

Version

Amazon Lex

Bots

Intents

Slot types

Migration tool

Switch to the new Lex
V2 console

Try the new Lex V2 Console

Build, deploy and manage your bots faster. The new console provides support for multiple languages in a bot, simplified versioning, interactive conversation flow, and other productivity tools. [Start building!](#)

[Learn more.](#)

Bots

Create

Actions ▼

Filter: Filter by Bot name

Name

Status

Locale

Last updated

Date Created



No records found.

Create your bot

Amazon Lex enables any developer to build conversational chatbots quickly and easily. With Amazon Lex, no deep learning expertise is necessary—you just specify the basic conversational flow directly from the console, and then Amazon Lex manages the dialogue and dynamically adjusts the response. To get started, you can choose one of the sample bots provided below or build a new custom bot from scratch.

CREATE YOUR OWN

Custom bot

TRY A SAMPLE

BookTrip

OrderFlowers

ScheduleAppointment



Bot name

ScheduleAppointment

MakeAppointment

Intents

A particular goal that the user wants to achieve

Utterances

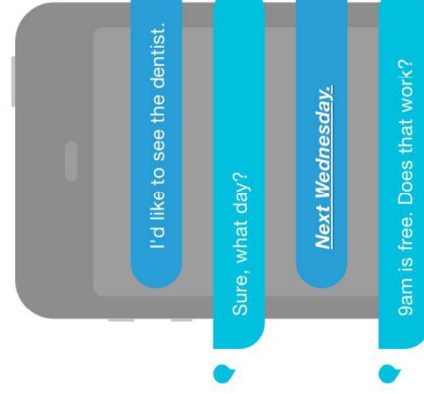
Spoken or typed phrases that invoke your intent

Slots

Data the user must provide to fulfill the intent

Prompts

Questions that ask the user to input



The business logic required to fulfill the user's intent

**Language**

English (US) ▼

Sentiment analysis☐ Yes ☒ No**IAM role**

AWSServiceRoleForLexBots

Automatically created on your behalf

**COPPA**

Please indicate if your use of this bot is subject to the [Children's Online Privacy Protection Act \(COPPA\)](#). [Learn more](#)

☐ Yes ☒ No**Advanced options**

Enable accuracy improvements and ML features. [Learn more](#)

☒ Yes ☐ No**Confidence score threshold**

0.4 (default)

► Tags

TestingScheduleAppointment Latest ▼

Editor

Settings

Channels

Monitoring

Intents

MakeAppointment Latest ▼

MakeAppointment

Slot types

AppointmentTypeValue

Error Handling

TestingScheduleAppointment build was successful

The build is now complete. You can now test the bot in the test window

Ready. Build complete.

Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

Lambda initialization and validation ⓘ

Context ⓘ

Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMA...		e.g. What city?	+
1. ▼	✓	AppointmentType	Appointment...	1 ▼	What type of appointm...	⊗ ⚙
2. ^ ▼	✓	Date	AMAZON...	Built-in ▼	When should I schedu...	⊗ ⚙
3. ^	✓	Time	AMAZON...	Built-in ▼	At what time should I s...	⊗ ⚙

You're now ready for complete testing. Type an utterance below to begin conversation with your chatbot.

Clear chat history



Chat with your bot...

Inspect response

Hide

When you chat with your bot, you can see the fulfillment state of your intent and the response here.

Sample utterances

- I would like to book a flight.
- Book a {AppointmentType}
- Book an appointment
- I would like to book an appointment

Lambda initialization and validation

Context

Slots

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMA...		e.g. What city?	
1.	☒	AppointmentType	Appointment...	1	What type of appointm	
2.	☒	Date	AMAZON...	Built-in	When should I schedu	
3.	☒	Time	AMAZON...	Built-in	At what time should I s	

I would like to make an appointment

What type of appointment would you like to schedule?



Chat with your bot...

Inspect response

Dialog State: ElicitSlot

Summary Detail

Intent: MakeAppointment

Slots (0/3)

AppointmentType

Date

Time

null

null

null

TestingScheduleAppointment Latest

Editor

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MakeAppointment Latest

MakeAppointment

Slot types

AppointmentTypeValue

Error Handling

Test bot (Latest)

Build

Publish

?

Ready, Build complete.

I would like to make an appointment

What type of appointment would you like to schedule?

A root canal

When should I schedule your root canal?

Clear chat history

5/1/2020

Inspect response

Dialog State: ElicitSlot

Summary

Detail

Intent: MakeAppointment

Slots

(1/3)

AppointmentType

root canal

Date

null

Time

null

Lambda initialization and validation

Context

Slots

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMA...		e.g. What city?	
1.	✓	AppointmentType	Appointment...	1	What type of appointm	⚙️
2.	✓	Date	AMAZON...	Built-in	When should I schedu	⚙️
3.	✓	Time	AMAZON...	Built-in	At what time should I s	⚙️

< TestingScheduleAppointment Latest ▼

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MakeAppointment

Slot types



AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

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Book an appointment

I would like to book an appointment

▶ Lambda initialization and validation ⓘ

▶ Context ⓘ

▼ Slots ⓘ

Priority Required Name Slot type Version Prompt Settings

1. ✓ e.g. Location e.g. AMA... 1 e.g. What city? +

2. ✓ AppointmentType AppointmentType What type of appointr ✖

3. ✓ Date AMAZON... Built-in When should I schedu ✖

Time AMAZON... Built-in At what time should I s ✖

> Test bot (Latest)

Build

Publish



✓ Ready, Build complete.

A root canal

When should I schedule your root canal?

5/1/2020

At what time do you want to schedule the root canal?

Clear chat history

4:00 PM

Inspect response

Dialog State: ElicitSlot

Hide

Summary Detail

Intent: MakeAppointment

Slots (2/3)

AppointmentType root canal

Date 2020-05-01

Time null

< TestingScheduleAppointment Latest ▼

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MakeAppointment

Slot types



AppointmentTypeValue

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MakeAppointment Latest ▼

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1.	✓	AppointmentType	Appointment...	1 ▼	What type of appointm	⊗ ⚙
2.	✓	Date	AMAZON...	Built-in ▼	When should I schedu	⊗ ⚙
3.	✓	Time	AMAZON...	Built-in ▼	At what time should I s	⊗ ⚙

> Test bot (Latest)

Build

Publish



✓ Ready. Build complete.

4:00 PM

16:00 is available, should I go ahead and book your appointment?

Yes

Intent MakeAppointment is

Clear chat history



Chat with your bot...

Inspect response

Dialog State: ReadyForFulfillment

Hide

☒ Summary ☐ Detail

Intent: MakeAppointment

Slots (3/3)

AppointmentType root canal

Date 2020-05-01

Time 16:00

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Amazon Lex

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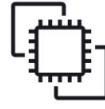
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2-3 minutes



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With Lightsail

1-2 minutes



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AWS Lambda

[Dashboard](#)
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[Code signing configurations](#)
[Layers](#)

▼ **Related AWS resources**

[Step Functions state machines](#)
[Lambda](#) > [Functions](#)

Tags failed to load. The filter doesn't include tags.

Functions (0)

 Filter by tags and attributes or search by keyword


Last fetched 20 seconds ago

Actions ▼

Create function

< 1 >



Function name ▼

Description ▼

Package type ▼

Runtime ▼

Code size ▼

Last modified ▼

There is no data to display.

Create function [Info](#)

Choose one of the following options to create your function.

Author from scratch

Start with a simple Hello World example.

Use a blueprint

Build a Lambda application from sample code and configuration presets for common use cases.

Container image

Select a container image to deploy for your function.

Browse serverless app repository

Deploy a sample Lambda application from the AWS Serverless Application Repository.

Blueprints [Info](#)

lex

Keyword: lex

Clear filters

X

3 matches

Export

<

1

>

lex-book-trip-python

Book details of a visit, using Amazon Lex to perform natural language understanding

python · lex

lex-make-appointment-python

Schedule a dentist appointment, using Amazon Lex to perform natural language understanding

python · lex

lex-order-flowers-python

Order flowers, using Amazon Lex to perform natural language understanding

python · lex

Cancel

Configure

Create function [Info](#)

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Container image

☐ Select a container image to deploy for your function.

Browse serverless app repository

☐ Deploy a sample Lambda application from the AWS Serverless Application Repository.

Blueprints [Info](#)

Q lex

Keyword: lex X

Clear filters

X

3 matches

Export

<

1

>

lex-book-trip-python

☐ Book details of a visit, using Amazon Lex to perform natural language understanding

python · lex

lex-make-appointment-pyth on

☒ Schedule a dentist appointment, using Amazon Lex to perform natural language understanding

python · lex

lex-order-flowers-python

☐ Order flowers, using Amazon Lex to perform natural language understanding

python · lex

Cancel

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Blueprints [Info](#)

Q lex

Keyword: lex X

Clear filters

X

3 matches

Export

<

1

>

lex-book-trip-python

☐ Book details of a visit, using Amazon Lex to perform natural language understanding

python · lex

lex-make-appointment-python

☒ Schedule a dentist appointment, using Amazon Lex to perform natural language understanding

python · lex

lex-order-flowers-python

☐ Order flowers, using Amazon Lex to perform natural language understanding

python · lex

Cancel

Configure

Basic information [Info](#)

Function name

MakeAppointmentCodeHook

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

- ☒ Create a new role with basic Lambda permissions
- ☐ Use an existing role
- ☐ Create a new role from AWS policy templates

 Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Lambda will create an execution role named MakeAppointmentCodeHook-role-pqvc55v6, with permission to upload logs to Amazon CloudWatch Logs.

Lambda function code

Code is preconfigured by the chosen blueprint. You can configure it after you create the function. [Learn more](#) about deploying Lambda functions.

Runtime

Python 3.8

Architecture

x86_64

1

Basic information [Info](#)

Function name

MakeAppointmentCodeHook

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

- ☐ Create a new role with basic Lambda permissions
- ☐ Use an existing role
- ☒ Create a new role from AWS policy templates

[i](#) Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Role name

Enter a name for your new role.

myLexrole

Use only letters, numbers, hyphens, or underscores with no spaces.

Policy templates - optional [Info](#)

Choose one or more policy templates.



Lambda function code

Code is preconfigured by the chosen blueprint. You can configure it after you create the function. [Learn more](#) about deploying Lambda

x86_64

""" --- Helpers to build responses which match the structure of the necessary dialog

Test event

☒ New event

☐ Saved event

Template

lex-make-appointment

Name

MyMakeAppointmentEvent

```
1 {
2   "messageVersion": "1.0",
3   "invocationSource": "DialogCodeHook",
4   "userId": "John",
5   "sessionAttributes": {},
6   "bot": {
7     "name": "MakeAppointment",
8     "alias": "$LATEST",
9     "version": "$LATEST"
10  },
11   "outputDialogMode": "Text",
12   "currentIntent": {
13     "name": "MakeAppointment",
14     "slots": {
15       "AppointmentType": "whitening",
16       "Date": "2020-11-08"
```

Format

Save changes

Test

Test your function

An event is an input to your Lambda function. You can create up to 10 test events per function. Saved events are stored in Lambda and are preserved if you switch browsers or machines. Unsaved events are available when switching to **Code**, but will be lost if the session ends. If your function doesn't require input, the event can be an empty document ({}).

When you choose **Invoke**, Lambda synchronously invokes your function with the test event. The function runtime converts the JSON document into an object and passes it to your code's handler method for processing.

Learn more [🔗](#)

[Programming Model](#)

[Invoking Lambda functions](#)

[Testing functions](#)



Execution result: succeeded (logs)

► Details



Test event

Invoke your function with a test event. Choose a template that matches the service that triggers your function, or enter your event document in JSON.

☐ New event☒ Saved event

Saved event

MyMakeAppointmentEvent ▼



Delete

Format

Save changes

Test

```
1 {
2   "messageVersion": "1.0",
3   "invocationSource": "DialogCodeHook",
4   "userId": "John",
5   "sessionAttributes": {},
6   "bot": {
7     "name": "MakeAppointment",
8     "alias": "$LATEST",
9     "version": "$LATEST"
10  },
11  "outputDialogMode": "Text",
12  "currentIntent": {
13    "name": "MakeAppointment",
14    "slots": {
15      "AppointmentType": "whitening",
16      "AppointmentTime": "12:00 PM"
17    }
18  }
19 }
```

An event is an input to your Lambda function. You can create up to 10 test events per function. Saved events are stored in Lambda and are preserved if you switch browsers or machines. Unsaved events are available when switching to **Code**, but will be lost if the session ends. If your function doesn't require input, the event can be an empty document (`{}`).

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[Learn more](#) [Programming Model](#)[Invoking Lambda functions](#)[Testing functions](#)

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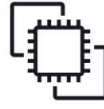
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TestingScheduleAppointment Latest ▼

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AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

► Lambda initialization and validation ⓘ

► Context ⓘ

► Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMAZON.US...		e.g. What city?	+
1. ▼	☒	AppointmentType	AppointmentType...	1 ▼	What type of appointment would y	⚙️
2. ^ ▼	☒	Date	AMAZON.DATE	Built-in ▼	When should I schedule your appc	⚙️
3. ^	☒	Time	AMAZON.TIME	Built-in ▼	At what time should I schedule you	⚙️

TestingScheduleAppointment Latest ▼

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Lambda initialization and validation ⓘ

☐ Initialization and validation code hook

Context ⓘ

Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMAZON.US...		e.g. What city?	+
1.	☒	AppointmentType	AppointmentType...	1 ▼	What type of appointment would y	⊗ ⚙
2.	☒	Date	AMAZON.DATE	Built-in ▼	When should I schedule your appc	⊗ ⚙

Build

Publish

?

Test Chatbot

Add permission to Lambda Function

You are about to give Amazon Lex permission to invoke your Lambda Function.

Cancel

OK

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

▶ Context ⓘ

▼ Slots ⓘ

Priority

Required

Name

Slot type

Version

Prompt

Settings

Confirmation prompt ⓘ

Fulfillment ⓘ

☐ AWS Lambda function ☒ Return parameters to client

Add response

+ Add Message

☐ Enable response card☐ Wait for user reply

If the user says "no," the following message will be presented.

* Required

Save Intent

Detach intent

Build

Publish

?

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☒ AWS Lambda function ☐ Return parameters to client

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#) 🔗

Version or alias

Latest

▼ Response ⓘ

Add Message

☐ Enable response card☐ Wait for user reply

If the user says "no," the following message will be presented.

* Required

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Sample utterances

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Book a {AppointmentType}

Book an appointment

I would like to book an appointment

Lambda initialization and validation

☒ Initialization and validation code hook

Lambda function

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[View in Lambda console](#) 

Version or alias

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Priority

Required

Name

Slot type

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Build your bot

You can continue editing your bot while the build is in progress. You can start testing your bot after the build completes.

Cancel

Build

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

▶ Context ⓘ

▼ Slots ⓘ

Priority

Required

Name

e.g. Location

Slot type

e.g. AMAZON.US...

Version

Prompt

e.g. What city?

Settings



< TestingScheduleAppointment Latest ▼

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Lambda function

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[View in Lambda console](#)

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e.g. I would like to book a flight.

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Initialization and validation code hook

Lambda function

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[View in Lambda console](#)

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Context ⓘ

Slots ⓘ

Priority Required Name

Slot type

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Settings

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Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ



Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

► Context ⓘ

▼ Slots ⓘ

Priority Required Name

Slot type

Version

Prompt

Settings

> Test bot (Latest)

Build

Publish



Ready. Build complete.

Make an appointment

What type of appointment would you like to schedule?

Specify Appointment Type

What type of appointment would you like...

cleaning (30 min)

root canal (60 ...

whitening (30 ...

When would you like to schedule your root canal?

Specify Date

[Clear chat history](#)

Chat with your bot...

Inspect response

Dialog State: ConfirmIntent

[Show](#)

TestingScheduleAppointment Latest ▼

Editor

Settings

Channels

Monitoring

Intents



MakeAppointment

Slot types



AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

Sample utterances ⓘ

+

e.g. I would like to book a flight.

x

Book a {AppointmentType}

x

Book an appointment

x

I would like to book an appointment

Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

View in Lambda console

Version or alias

Latest

Context ⓘ

Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
----------	----------	------	-----------	---------	--------	----------

> Test bot (Latest)

Build

Publish



Ready. Build complete.

When would you like to schedule your root canal?

Specify Date

When would you like to schedule your ro...

12-23 (Thu)

12-24 (Fri)

12-27 (Mon)

12-28 (Tue)

12-29 (Wed)

We do not have any availability on that date,

Clear chat history



Chat with your bot...

Inspect response

Dialog State: ConfirmIntent

Show

< TestingScheduleAppointment Latest ▼

Editor

Settings

Channels

Monitoring

Intents



MakeAppointment

Slot types



AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

▶ Context ⓘ

▼ Slots ⓘ

Priority Required Name

Slot type

Version

Prompt

Settings

> Test bot (Latest)

Build

Publish



🟢 Ready. Build complete.

We do not have any availability on that date, is there another day which works for you?

Specify Date

What day works best for you?

12-23 (Thu)

12-24 (Fri)

12-27 (Mon)

12-28 (Tue)

12-29 (Wed)

Clear chat history



Chat with your bot...

Inspect response

Dialog State: ConfirmIntent

Show

< TestingScheduleAppointment Latest ▼

Editor

Settings

Channels

Monitoring

Intents



MakeAppointment

Slot types



AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ



Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

▶ Context ⓘ

▼ Slots ⓘ

Priority Required Name

Slot type

Version

Prompt

Settings

> Test bot (Latest)

Build

Publish



✔ Ready. Build complete.

12-27 (Mon)

12-28 (Tue)

12-29 (Wed)

What time on 2021-12-29 works for you?
4:00 p.m. is our only availability, does that work for you?

Confirm Appointment

Is 4:00 p.m. on 2021-12-29 okay?

yes

no

Clear chat history



Chat with your bot...

Inspect response

Dialog State: ConfirmIntent

Show

< TestingScheduleAppointment Latest ▼

Build

Publish

> Test bot (Latest)

🟢 Ready. Build complete.

Intents +

MakeAppointment

Slot types +

AppointmentTypeValue

Error Handling

MakeAppointment Latest ▼

▼ Sample utterances ⓘ

e.g. I would like to book a flight.

Book a {AppointmentType}

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

▶ Context ⓘ

▼ Slots ⓘ

Priority Required Name

Slot type

Version

Prompt

Settings

Inspect response

Dialog State: ElicitSlot

Show



Chat with your bot...

Clear chat history

Okay, I have booked your appointment. We will see you at 4:00 p.m. on 2021-12-29

What type of appointment would you like to schedule?

Specify Appointment Type

What type of appointment would you like...

cleaning (30 min)

root canal (60 ...

whitening (30 ...

TestingScheduleAppointment Latest ▼

Editor

Settings

Channels

Intents

MakeAppointment

Slot types

AppointmentTypeValue

Error Handling

MakeAppointment

Sample

e.g. I want to book an appointment

Book an appointment

Book an appointment

I would like to book an appointment

▼ Lambda initialization and validation ⓘ

☒ Initialization and validation code hook

Lambda function

MakeAppointmentCodeHook

[View in Lambda console](#)

Version or alias

Latest

► Context ⓘ

► Slots ⓘ

Priority Required Name

Slot type

Version Prompt

Settings

Publish TestingScheduleAppointment



Publishing. This should take a couple of minutes.

Cancel

Publish

(Latest)

no

Okay, I have booked your appointment. We will see you at 4:00 p.m. on 2021-12-29

What type of appointment would you like to schedule?

Specify Appointment Type

What type of appointment would you like...

cleaning (30 min)

root canal (60 ...

whitening (30 ...

Clear chat history

Chat with your bot...

Inspect response

Dialog State: ElicitSlot

Show

Publish TestingScheduleAppointment

Your bot is published! You can now connect to your mobile app or continue to chatbot deployment.

Bot Name	TestingScheduleAppointment
Bot Version	1
Alias	Testing

What to do next?

Here are some resources to help you progress once your bot is published.

How to connect to your mobile app

Learn how to connect to your bot to your mobile app.

Integrate with Mobile Hub.

Please create a project and choose the Conversational Bots feature in Mobile Hub

How to deploy your bot to other services

Learn how to deploy your bot to other services like Facebook Messenger, Slack, Twilio, and Kik.

[Go to channels](#)[Close](#)

AWS Management Console

AWS services

▼ Recently visited services

[Amazon Lex](#)[Lambda](#)

► All services

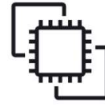
Build a solution

Get started with simple wizards and automated workflows.

Launch a virtual machine

With EC2

2-3 minutes



Build a web app

With Elastic Beanstalk

6 minutes



Build using virtual servers

With Lightsail

1-2 minutes



Register a domain

With Route 53

Connect an IoT device

With AWS IoT

Start migrating to AWS

With AWS MGN

Stay connected to your AWS resources on-the-go



AWS Console Mobile App now supports four additional regions. Download the AWS Console Mobile App to your iOS or Android mobile device. [Learn more](#)

Explore AWS

Introducing Amazon FSx for NetApp ONTAP

Fully managed storage built on NetApp's popular ONTAP file system. [Learn more](#)

Amazon S3 Multi-Region Access Points

Accelerate performance by up to 60% when accessing replicated data sets. [Learn more](#)

Test Your Machine Learning Skills

Search results for 'cog'

Services (11)
Features (4)
Blogs (1,086)
Documentation (11)
Tutorials (3)
Events (8)
Marketplace (13)

Services

[See all 11 results](#)

Cognito

Consumer Identity Management and AWS Credentials for Federated Identities



Amazon Machine Learning

Build Smart Applications Quickly and Easily



Amazon Lex

Build Voice and Text Chatbots



Amazon Transcribe

Powerful Speech Recognition

Features

Device logs



IoT Core feature

Your VPCs



VPC feature

Subnet

Move to your AWS
Home

Mobile App now
your additional regions.
the AWS Console Mobile
for iOS or Android mobile
[Learn more](#)

Amazon FSx for NetApp

Page built on NetApp's
system. [Learn more](#)

Region Access Points

ance by up to 60% when
data sets. [Learn more](#)

Learning Skills

The new design for Cognito User Pools console is now available.

[Try out the new interface](#)



Amazon Cognito

Amazon Cognito offers user pools and identity pools. User pools are user directories that provide sign-up and sign-in options for your app users. Identity pools provide AWS credentials to grant your users access to other AWS services.

Manage User Pools

Manage Identity Pools



Add Sign-up and Sign-in



Grant your users access to AWS services

Getting started wizard

Step 1: Create identity pool

Step 2: Set permissions

Create new identity pool

Identity pools are used to store end user identities. To declare a new identity pool, enter a unique name.

Identity pool name*

Example: My App Name

▼ Unauthenticated identities ⓘ

Amazon Cognito can support unauthenticated identities by providing a unique identifier and AWS credentials for users who do not authenticate with an identity provider. If your application allows customers to use the application without logging in, you can enable access for unauthenticated identities. [Learn more about unauthenticated identities.](#)

☐ Enable access to unauthenticated identities

Enabling this option means that anyone with internet access can be granted AWS credentials. Unauthenticated identities are typically users who do not log in to your application. Typically, the permissions that you assign for unauthenticated identities should be more restrictive than those for authenticated identities.

▼ Authentication flow settings ⓘ

A user authenticating with Amazon Cognito will go through a multi-step process to bootstrap their credentials. Amazon Cognito has two different flows for authentication with public providers: enhanced and basic. Cognito recommends the use of enhanced authentication flow. However, if you still wish to use the basic flow, you can enable it here. [Learn more about authentication flows.](#)

☐ Allow Basic (Classic) Flow

► Authentication providers ⓘ

* Required

Cancel

Create Pool

Step 1: Create identity pool

Step 2: Set permissions

Create new identity pool

Identity pools are used to store and user identities. To declare a new identity pool, enter a unique name.

Identity pool name*

myidentitypool



Example: My App Name

▼ Unauthenticated identities ⓘ

Amazon Cognito can support unauthenticated identities by providing a unique identifier and AWS credentials for users who do not authenticate with an identity provider. If your application allows customers to use the application without logging in, you can enable access for unauthenticated identities. [Learn more about unauthenticated identities.](#)

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**Allow Basic (Classic) Flow****► Authentication providers ⓘ***** Required**

Cancel

Create pool ↻

Identify the IAM roles to use with your new identity pool

Before you can begin using your new Amazon Cognito identity pool, you must assign one or more IAM roles to determine the level of access you want your application end users to have to your AWS resources. Identity pools define two types of identities: authenticated and unauthenticated. Each can be assigned their own role in IAM. Authenticated identities belong to users who are authenticated by a public login provider (Amazon Cognito user pools, Facebook, Google, SAML, or any OpenID Connect Providers) or a developer provider (your own backend authentication process), while unauthenticated identities typically belong to guest users.

When Amazon Cognito receives a user request, the service will determine if the request is either authenticated or unauthenticated, determine which role is associated with that authentication type, and then use the policy attached to that role to respond to the request. For a list of fine-grained IAM role example policies to choose from, see [IAM Roles](#) in the *Amazon Cognito Developer Guide*.

Note

As a best practice, define policies that follow the principle of granting *least privilege*. In other words, the policies should include only the permissions that users require to perform their tasks. For more information, see [Grant Least Privilege](#) in the *IAM User Guide*. Remember that unauthenticated identities are assumed by users who do not log in to your app. Typically, the permissions that you assign for unauthenticated identities should be more restrictive than those for authenticated identities.

[▶ View Details](#)
[Cancel](#)
[Allow](#)

Cognito user pools, Facebook, Google, SAML, or any OpenID Connect Providers) or a developer provider (your own backend authentication process), while unauthenticated identities typically belong to guest users.

When Amazon Cognito receives a user request, the service will determine if the request is either authenticated or unauthenticated, determine which role is associated with that authentication type, and then use the policy attached to that role to respond to the request. For a list of fine-grained IAM role example policies to choose from, see [IAM Roles](#) in the *Amazon Cognito Developer Guide*.

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▼ Hide Details

Role Summary ?

Role Description Your authenticated identities would like access to Cognito.

IAM Role Create a new IAM Role ▼

Role Name Cognito_myidentitypoolAuth_Role

► View Policy Document

③

Role Summary ?

Role Description Your unauthenticated identities would like access to Cognito.

IAM Role Create a new IAM Role ▼

Role Name Cognito_myidentitypoolUnauth_Role

④

Cancel

Allow

Cognito user pools, Facebook, Google, SAML, or any OpenID Connect Providers) or a developer provider (your own backend authentication process), while unauthenticated identities typically belong to guest users.

When Amazon Cognito receives a user request, the service will determine if the request is either authenticated or unauthenticated, determine which role is associated with that authentication type, and then use the policy attached to that role to respond to the request. For a list of fine-grained IAM role example policies to choose from, see [IAM Roles](#) in the *Amazon Cognito Developer Guide*.

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▼ Hide Details

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IAM Role Create a new IAM Role ▾

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► View Policy Document

Role Summary ⓘ

Role Description Your unauthenticated identities would like access to Cognito.

IAM Role Create a new IAM Role ▾

Role Name Cognito_myidentitypoolUnauth_Role

Cancel

Allow

Introducing the new IAM dashboard experience
We've redesigned the IAM dashboard experience to make it easier to use. [Let us know what you think.](#)

IAM dashboard

Security recommendations 1

Add MFA for root user

Enable multi-factor authentication (MFA) for the root user to improve security for this account.

IAM resources

User groups	Users	Roles	Policies	Identity providers
0	0	17	1	0

What's new

Updates for features in IAM

[View all](#)

- [IAM Access Analyzer](#) helps you generate fine-grained policies that specify the required actions for more than 50 services. 4 months ago
- [IAM Access Analyzer](#) helps you generate IAM policies based on access activity found in your organization trail. 4 months ago
- [IAM Access Analyzer](#) adds new policy checks to help validate conditions during IAM policy authoring. 6 months ago
- [AWS Amplify](#) announces support for IAM permissions boundaries on Amplify-generated IAM roles. 6 months ago

[➤ more](#)

AWS Account

Account ID

 735230985270

Account Alias

735230985270 [Create](#)

Sign-in URL for IAM users in this account

 <https://735230985270.signin.aws.amazon.com/console>

Tools

[Policy simulator](#)

The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.

[Web identity federation playground](#)
Authenticate yourself to any of the supported web identity providers, see the requests and responses, obtain a set of temporary security

Identity and Access Management (IAM)



Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

Service control policies (SCPs)

IAM > Roles

Roles (17) [Info](#)

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.

3

 1 match

Delete

Create role

<

1

>

☐ Role name☐ Trusted entities

Last activity

☐ Cognito_myidentitypoolAuth_Role

Identity Provider: cognito-identity.amazonaws.com



Introducing the new IAM roles experience

We've redesigned the IAM roles experience to make it easier to use. [Let us know what you think.](#)



Add permissions to Cognito_myidentitypool/Auth_Role

Attach Permissions

[Create policy](#)

Filter policies ▼			Showing 726 results	
Policy name ▼		Type	Used as	
☐	AdministratorAccess	Job function	None	
☐	AdministratorAccess-Amplify	AWS managed	None	
☐	AdministratorAccess-AWSElasticBeanstalk	AWS managed	None	
☐	AlexaForBusinessDeviceSetup	AWS managed	None	
☐	AlexaForBusinessFullAccess	AWS managed	None	
☐	AlexaForBusinessGatewayExecution	AWS managed	None	
☐	AlexaForBusinessLifeseizeDelegatedAccessPolicy	AWS managed	None	
☐	AlexaForBusinessPolyDelegatedAccessPolicy	AWS managed	None	
☐	AlexaForBusinessReadOnlyAccess	AWS managed	None	
☐	AmazonAPIGatewayAdministrator	AWS managed	None	
☐	AmazonAPIGatewayInvokeFullAccess	AWS managed	None	

[Cancel](#)[Attach policy](#)

Add permissions to Cognito_myidentitypoolAuth_Role

Attach Permissions

Create policy

Filter policies ▼

Q AmazonLex

Policy name ▼

AmazonLexFullAccess

AmazonLexReadOnly

AmazonLexRunBotsOnly

Type

AWS managed

AWS managed

AWS managed

Used as

None

None

None

Showing 3 results

Cancel

Attach policy

Identity and Access Management (IAM)

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

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IAM > Roles

Roles (17) [Info](#)

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.

4

 1 match

Delete

Create role

< 1 >

☐ Role name

Trusted entities

☐ Cognito_myidentitypoolUnauth_Role

Identity Provider: cognito-identity.amazonaws.com

Last activity

-

Add permissions to Cognito_myidentitypoolUnauth_Role

Attach Permissions

Create policy

↺

Filter policies				Showing 3 results	
		Policy name ▾	Type	Used as	
☐	▶	AmazonLexFullAccess	AWS managed	None	
☐	▶	AmazonLexReadOnly	AWS managed	Permissions policy (1)	
☐	▶	AmazonLexRunBotsOnly	AWS managed	Permissions policy (1)	

Cancel

Attach policy

Add permissions to Cognito_myidentitypoolUnauth_Role

Attach Permissions

Create policy

Filter policies ▾

Q AmazonLex

Policy name ▾

☐

▶

AmazonLexFullAccess

☒

▶

AmazonLexReadOnly

☒

▶

AmazonLexRunBotsOnly

Type

AWS managed

AWS managed

AWS managed

Used as

None

Permissions policy (1)

Permissions policy (1)

Showing 3 results

Cancel

Attach policy

1 Choose a file to load from the Files menu on the left

File:

EN - English ▾

the *Unauth_Role*.

Task 9: Creating an S3 bucket

Now that you set up the security permissions, you must create an S3 bucket to host your webpage.

59. First, download the following two webpage files and extract them to a local file directory.

- index.html
- error.html

The index.html file includes the script that will load your bot.

[Download the .zip file.](#)

60. On the AWS Management Console, on the **Services** menu, choose **S3**.

61. On the **Amazon S3** page, choose **Create bucket**.

◀ Previous

Next ▶

5

AWS Management Console

AWS services

▼ Recently visited services



IAM



Amazon Lex



Cognito



Lambda

► All services

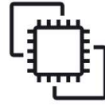
Build a solution

Get started with simple wizards and automated workflows.

Launch a virtual machine

With EC2

2-3 minutes



Build a web app

With Elastic Beanstalk

6 minutes



Build using virtual servers

With Lightsail

1-2 minutes

[Register a domain](#)[Connect an IoT device](#)[Start migrating to AWS](#)

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Free AWS Training

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[AWS Cloud Training](#)

Amazon S3 > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

General configuration



Bucket name

lexlab6asdfghj

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

US East (N. Virginia) us-east-1

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and granted using access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ ACLs disabled (recommended)

All objects in this bucket are owned by this account.

☐ ACLs enabled

Objects in this bucket can be owned by other AWS

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

- We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.
- Successfully created bucket "lexlab6efbasd" To upload files and folders, or to configure additional bucket settings choose **View details**.
- How to optimize your costs on S3.

Amazon S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (1) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	▲	AWS Region	▼	Access	▼	Creation date
lexlab6efbasd		US East (N. Virginia) us-east-1		Bucket and objects not public		December 22, 2021, 23:31:39 (UTC+08:00)

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

Provide feedback

📘 We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

Amazon S3 > lexlab6efbasd

lexlab6efbasd Info

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)



Copy S3 URI



Copy URL



Download



Open



Delete



Actions



Create folder



Find objects by prefix



Name



Type



Last modified



Size



Storage class



No objects

You don't have any objects in this bucket.



Upload

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#) 

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

5

Files and folders (2 Total, 17.0 KB)

All files and folders in this table will be uploaded.

Q Find by name

< 1 >

Remove

Add files

Add folder

☐	Name	▲	Folder	▼	Type	▼	Size	▼
☐	error.html		-		text/html		3.0 KB	
☐	index.html		-		text/html		13.9 KB	

Destination

Destination

s3://lexlab6gefbasd

► Destination details

Bucket settings that impact new objects stored in the specified destination.

Files and folders (2 Total, 17.0 KB)

All files and folders in this table will be uploaded.

Find by name

< 1 >

☒	Name	Folder	Type	Size
☒	error.html	-	text/html	3.0 KB
☒	index.html	-	text/html	13.9 KB

Destination

Destination

s3://lexlab6efbasd

► Destination details

Bucket settings that impact new objects stored in the specified destination.

► Permissions

Grant public access and access to other AWS accounts.

► Properties

Specify storage class, encryption settings, tags, and more.

Upload

Cancel

Upload succeeded
View details below.

The information below will no longer be available after you navigate away from this page.

Summary

Destination

s3://lexlab6gefbasd

Succeeded

2 files, 17.0 KB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (2 Total, 17.0 KB)

< 1 >

Name	Folder	Type	Size	Status	Error
error.html	-	text/html	3.0 KB	Succeeded	-
index.html	-	text/html	13.9 KB	Succeeded	-

Amazon S3 > [lexlab6efbasd](#)

lexlab6efbasd [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)



Copy S3 URI

Copy URL

Download

Open

Delete

Actions ▼

Create folder

Upload

Q Find objects by prefix

<

1

>



Name



Type



Last modified



Size



Storage class

 [error.html](#)

html

December 22, 2021, 23:34:37 (UTC+08:00)



3.0 KB



Standard

 [index.html](#)

html

December 22, 2021, 23:34:39 (UTC+08:00)



13.9 KB



Standard



Amazon S3 > lexlab6efbasd

lexlab6efbasd

Info

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

Bucket overview

AWS Region

US East (N. Virginia) us-east-1

Amazon Resource Name (ARN)

arn:aws:s3:::lexlab6efbasd

Creation date

December 22, 2021, 23:31:39 (UTC+08:00)

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Edit

Bucket Versioning

Disabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Object Lock

Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#)

[Edit](#)

You don't have permission to get Object Lock details

You or your AWS administrator must update your IAM permissions to allow s3:GetBucketObjectLockConfiguration. After you obtain the necessary permission, refresh the page. Learn more about [Identity and access management in Amazon S3](#)

► API response

Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays
Disabled

[Edit](#)

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Disabled

[Edit](#)

[Amazon S3](#) > [lexlab6efbasd](#) > Edit static website hosting

Edit static website hosting [Info](#)

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

- ☒ Disable
☐ Enable

Cancel

Save changes

☒ **Host a static website**

Use the bucket endpoint as the web address. [Learn more](#)

☐ **Redirect requests for an object**

Redirect requests to another bucket or domain. [Learn more](#)

i For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document

Specify the home or default page of the website.

index.html

Error document - optional

This is returned when an error occurs.

error.html

Redirection rules – optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

1

Index document

Specify the home or default page of the website.

index.html

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error.html

Redirection rules – optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#) 

1

Cancel

Save changes



index.html

HTML 文字 - 14 KB

資訊

顯示較少

製作日期	2020 年 11 月 16 日 下午 2:08
修改日期	2020 年 11 月 16 日 下午 2:08
標題	Amazon Lex for JavaScript - Sample Application (NTBBot)
內容的製作日期	2020/11/16 下午 2:08
內容的修改日期	2020/11/16 下午 2:08

標記

加入標記...



更多...

```
115     font-weight: normal;
116     text-decoration: none
117 }
118
119 a.appAction:hover {
120     background-color: #e66e00;;
121 }
122
123 </style>
124 <meta name="viewport" content="width=420">
125 </head>
126
127 <body>
128 <h1 style="text-align: left">Amazon Lex - Appointment BOT</h1>
129
130 <div id="searchResults" style="width: 380px; height: 450px; border: 1px solid #ccc; background-color: #eee; padding: 4
131 px; overflow: scroll; margin-right: 10px; float: left; display: none"></div>
132
133 <div id="conversation" style="width: 380px; height: 450px; border: 1px solid #ccc; background-color: #eee; padding: 4
134 px; overflow: scroll"></div>
135
136 <form id="chatform" style="margin-bottom: 10px" onsubmit="return pushChat();"
137 <p style="width: 380px; font-size: 0.8em; line-height: 1.2em">
138 <input type="text" id="wisdom" size="80" value="" placeholder="What do you want to do?">
139 </p>
140 </form>
141
142 <script type="text/javascript">
143 // set the focus to the input box
144 document.getElementById("wisdom").focus();
145
146 // Initialize the Amazon Cognito credentials provider
147 AWS.config.region = 'us-east-1'; // Region
148 AWS.config.credentials = new AWS.CognitoIdentityCredentials({
149     IdentityPoolId: 'us-east-1:b1ec474e-4883-4f19-a247-78c1a6f821ee',
150 });
151
152 var lexruntime = new AWS.LexRuntime();
153 var lexUserId = 'chatbot-demo' + Date.now();
154 var sessionAttributes = {};
155 var responseCardOptions = null;
156
157 function pushChat(textToPush, labelToShow) {
```

```
155 var wisdomText = document.getElementById('wisdom');
156 if (wisdomText && wisdomText.value && wisdomText.value.trim().length > 0) {
157
158     // disable input to show we're sending it
159     var wisdom = wisdomText.value.trim();
160     wisdomText.value = '...';
161     wisdomText.locked = true;
162
163     // if a response card was being used and the user typed in an option that is one
164     // of the responses, then send the value of the response, not the text that was typed in
165     if (responseCardOptions && (! labelToShow)) {
166
167         // this means a response card was shown to the user, but she chose to type in a response instead
168         // of clicking
169         // TODO: hide the responseCardOptions
170         for (var i=0; (i < responseCardOptions.length); (i++)) {
171
172             var item = responseCardOptions[i];
173             if (wisdom.toUpperCase() === item.text.toUpperCase()) {
174
175                 textToPush = item.value;
176                 labelToShow = item.text;
177                 // break out of the loop
178                 i = responseCardOptions.length + 1;
179             }
180         }
181
182         // send it to the lex runtime
183         var params = {
184             botAlias: 'freechabottest',
185             botName: 'ScheduleAppointment',
186             // ...
187             inputText: (textToPush ? textToPush : wisdom),
188             userId: lexUserId,
189             sessionAttributes: sessionAttributes
190         };
191
192         // if the caller has specifically provided a label to be shown, show it
193         showRequest((labelToShow ? labelToShow : wisdom));
194     }
```

⦿ 1,2

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

Files and folders (1 Total, 13.9 KB)

All files and folders in this table will be uploaded.

< 1 >

☐	Name	Folder	Type	Size
☐	index.html	-	text/html	13.9 KB

Remove

Add files

Add folder

Destination

Destination

[s3://lexlab6gefbasd](#)

► Destination details

Bucket settings that impact new objects stored in the specified destination.

► Permissions

Grant public access and access to other AWS accounts.

► Properties

Specify storage class, encryption settings, tags, and more.

Cancel

Upload

lexlab6efbasd

Info

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions.

[Learn more](#)

Copy S3 URI



Copy URL



Download



Open

Delete

Actions ▼

Create folder



Upload



Find objects by prefix



1



Name



Type



Last modified



Size



Storage class



error.html

html

December 22, 2021, 23:34:37 (UTC+08:00)



3.0 KB

Standard



index.html

html

December 22, 2021, 23:50:43 (UTC+08:00)



13.9 KB

Standard

Permissions overview

Access

Bucket and objects not public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

Block all public access

🟢 On

► Individual Block Public Access settings for this bucket

Bucket policy

English (UK) ▼

Edit

Delete

Edit Block public access (bucket settings) [Info](#)

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#) [🔗](#)

☐ Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☒ Block public access to buckets and objects granted through *new* access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☒ Block public access to buckets and objects granted through *any* access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ Block public access to buckets and objects granted through *new* public bucket or access point policies

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ Block public and cross-account access to buckets and objects through *any* public bucket or access point policies

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

[Cancel](#)[Save changes](#)

Edit Block public access (bucket settings) Info

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access so that your applications will work correctly without public access. Within, you can customize the individual settings below to block public access to buckets and objects through any public bucket or access point policies.

- ☐ **Block all public access**
Turning this setting on is the same as turning on all four settings below.
- ☒ **Block public access to buckets and objects using ACLs**
S3 will block public access permissions applied to ACLs for existing buckets and objects. This setting does not affect new buckets or objects.
- ☒ **Block public access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
- ☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Edit Block public access (bucket settings)

 Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public.

To confirm the settings, enter *confirm* in the field.

confirm

Cancel

Confirm

Cancel

Save changes

Block all public access

- Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit

Delete

**Public access is blocked because Block Public Access settings are turned on for this bucket**

To determine which settings are turned on, check your Block Public Access settings for this bucket. [Learn more about using Amazon S3 Block Public Access](#)

No policy to display.



Copy

Edit bucket policy [Info](#)

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#) 🔗

[Policy examples](#) 🔗[Policy generator](#) 🔗

Bucket ARN

📄 arn:aws:s3:::lexlab6efbasd

Policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "PublicReadGetObject",  
6       "Effect": "Allow",  
7       "Principal": "*",  
8       "Action": [  
9         "s3:GetObject"  
10      ],  
11      "Resource": [  
12        "arn:aws:s3:::example.com/*"  
13      ]  
14    }  
15  ]  
16 }
```

Edit statement

Select a statement

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

[+ Add new statement](#)

Policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "PublicReadGetObject",  
6       "Effect": "Allow",  
7       "Principal": "*",  
8       "Action": [  
9         "s3:GetObject"  
10      ],  
11      "Resource": [  
12        "arn:aws:s3:::lexlab6efbasd/*"  
13      ],  
14    }  
15  ],  
16 }
```

⑥

Edit statement

PublicReadGetObject

Remove

1. Add actions

Choose a service

Q Filter services

Included

S3

Available

AMP

API Gateway

API Gateway V2

Access Analyzer

Account

Activate

Alexa for Business

Amplify

Amplify Admin

2. Add a resource

Add

3. Add a condition (optional)

Add

+ Add new statement

JSON Ln 12, Col 43

Permissions overview

Access

 **Public**

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

Block all public access

 **Off**

► Individual Block Public Access settings for this bucket

**You don't have permission to get Object Lock details**

You or your AWS administrator must update your IAM permissions to allow s3:GetBucketObjectLockConfiguration. After you obtain the necessary permission, refresh the page. Learn more about [Identity and access management in Amazon S3](#)

► API response**Requester pays**

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays

Disabled

[Edit](#)**Static website hosting**

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

Enabled

Hosting type

Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://lexlab6cfbamd.s3-website-us-east-1.amazonaws.com> [Edit](#)

Amazon Lex - Appointment BOT

Hi there! What do you want to do?

I would like to make an appointment

Amazon Lex - Appointment BOT

Specify Appointment Type

What type of appointment would you like to schedule?

root canal (60 min)

Specify Date

When would you like to schedule your root canal?

12-23 (Thu)

Specify Date

What day works best for you?

12-23 (Thu)

12-24 (Fri)

12-27 (Mon)

12-28 (Tue)

12-29 (Wed)

What do you want to do?

Amazon Lex - Appointment BOT

Specify Date

What day works best for you?

12-23 (Thu)

Specify Date

What day works best for you?

12-28 (Tue)

Specify Date

What day works best for you?

12-24 (Fri)

Confirm Appointment

Is 4:00 p.m. on 2021-12-24 okay?

yes

Okay, I have booked your appointment. We will see you at 4:00 p.m. on 2021-12-24

What do you want to do?

1 Choose a file to load from the Files menu on the left

File:

EN - English ▾

choose the URL.

Your webpage opens, and you can interact with your bot like you did in the AWS Management Console.

Conclusion

👍 You now have successfully created a bot with Amazon Lex and tested it in a webpage.

Lab complete

Congratulations! You have completed the lab.

93. To confirm that you want to end the lab, at the top of this page, choose **End Lab**, and then choose **Yes**

A panel should appear with this message: *DELETE has been initiated... You may close this message box now.*

94. To close the panel, choose the **X** in the top-right corner.

+ • bash

ddd_v1_w_rWP5_945469@runweb45696:~\$

Microsoft Azure

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資料庫

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QnA Maker

Microsoft

...



QnA Maker

Microsoft

★ 4.2 (171 Azure 評分)

建立

概觀 方案 使用量資訊 + 支援 評論

Microsoft 的 QnA Maker 是一種認知服務，可讓您輕鬆地針對資料建立交談層。簡單易用的 UI 可讓您從網站、常見問題頁面、產品手冊或甚至是 SharePoint 文件，進行啟動程序。您也可利用單鍵來加入個人風格，製作精細的多次來回交談流程，並將您的知識模型發佈到像是 Teams 等頻道上的機器人，而無須撰寫任何程式碼。透過主動式學習經過一段時間的使用，您的知識模型可取得更多的智慧，而您可運用此能力，將機器人運用到 50 多種語言上。

整合其他服務，例如 Language Understanding、語音及機器人架構，可建立以工作為基礎但較為複雜的機器人案例。您可以使用我們易於使用的 UI、REST API 或 SDK，製作及發佈知識庫，並在執行階段整合到您的機器人中。

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Microsoft

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Front Door Standard/Premium (Preview)

Microsoft

Azure Service

Azure Front Door Standard/Premium (Preview) is security led, modern cloud CDN that provides static and



Azure VMware Solution

Microsoft

Azure Service

Azure VMware Solution (AVS) combines the VMware Software Defined Data Center (SDDC) with



API App

Microsoft

Azure Service

scalable RESTful API with enterprise grade security, simple access control and auto SDK generation

Microsoft Azure

Search resources, services, and docs (G+)

Home > Cognitive Services >

Create

...

QnA Maker

*Basics

Tags

Review + create

QnA Maker is a cloud-based API service that lets you create a conversational question-and-answer layer over your existing data. Use it to build a knowledge base by extracting questions and answers from your semi-structured content, including FAQs, manuals, and documents. Answer users' questions with the best answers from the QnAs in your knowledge base-automatically. Your knowledge base gets smarter, too, as it continually learns from user behavior. [Learn more](#)

QnA Maker managed (preview) is now a Generally Available feature within Azure Cognitive Service for Language, and it has been renamed to custom question answering. [Create a Language resource](#) to use question answering and other features such as entity recognition, sentiment analysis, etc.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

Azure subscription 1

Resource group * ⓘ

Create new

Name * ⓘ

Enter a name

Pricing tier (Learn More) * ⓘ

Azure Search details - for data

When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data.

Review + create

Next : Tags >

QnA Maker is a cloud-based API service that lets you create a conversational question-and-answer layer over your existing data. Use it to build a knowledge base by extracting questions and answers from your semi-structured content, including FAQs, manuals, and documents. Answer users' questions with the best answers from the QnAs in your knowledge base-automatically. Your knowledge base gets smarter, too, as it continually learns from user behavior. [Learn more](#)

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Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Azure subscription 1

Resource group *

[Create new](#)

Name *

Pricing tier ([Learn More](#)) *

Azure Search details - for data

When you create a QnAMaker resource, you need to specify a resource group and a storage account used to index your data.

A resource group is a container that holds related resources for an Azure solution.

Name *

OK

Cancel

Microsoft Azure

Search resources, services, and docs (G+)

Home > Cognitive Services >

Create

QnA Maker

Resource group * ⓘ

ETPSSMBot

Create new

Name * ⓘ

testing

❌ Sub domain name 'testing' is already used. Please pick a different name.

Pricing tier (Learn More) * ⓘ

Standard S0 (\$10 per month for unlimited documents, 3 transaction...

Azure Search details - for data

When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data.

Azure Search location *

(US) East US

Azure Search pricing tier * ⓘ

Free F (3 Indexes)

Free F (3 Indexes)

Basic B (15 Indexes)

Standard S (50 Indexes)

Standard S2 (200 Indexes)

Standard S3 (200 Indexes)

Standard S3 (1000 Indexes/Partition*)

L1 (10 Indexes, High Storage)

L2 (10 Indexes, High Storage)

App Service details - for runtime

When you create a QnAMaker resource, you use the App Service compute engine that runs the QnA Maker query engine.

App name * ⓘ

Website location *

The App service plan currently defaults to the Standard S3 resource page once the resource has been created.

Ann insights details - for telemetry and chat logs

Review + create

Next : Tags >

Resource group *

ETPSSMBot

Create new

Name *

testing

Sub domain name 'testing' is already used. Please pick a different name.

Pricing tier (Learn More) *

Standard S0 (\$10 per month for unlimited documents, 3 transaction...

Azure Search details - for data

When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data.

Azure Search location *

(US) East US

Azure Search pricing tier *

Free F (3 Indexes)

Free F (3 Indexes)

Basic B (15 Indexes)

Standard S (50 Indexes)

Standard S2 (200 Indexes)

Standard S3 (200 Indexes)

Standard S3 (1000 Indexes/Partition*)

L1 (10 Indexes, High Storage)

L2 (10 Indexes, High Storage)

App Service details - for runtime

When you create a QnAMaker resource, you use the App Service compute engine that runs the QnA Maker query engine.

App name *

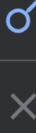
Website location *

The App service plan currently defaults to the Standard S3 plan. You can change the resource page once the resource has been created.

Ann insights details - for telemetry and chat logs

Google

QnA maker



登入



全部



圖片



影片



新聞



地圖

更多

工具

約有 779,000 項結果 (搜尋時間：0.43 秒)

<https://www.qnamaker.ai> 翻譯這個網頁

QnA Maker

QnA Maker is a no code way to build bots. QnA Maker extracts questions and answers from FAQ pages, support websites, excel files, product manuals, ...

<https://docs.microsoft.com> > ... > 認知服務 > QnA Maker >

什麼是QnA Maker 服務？ - Azure Cognitive Services

2021年11月19日 — QnA Maker 是一項雲端式自然語言處理(NLP) 服務，可讓您透過您的資料建立自然對話層。其用來從資訊的自訂知識庫(KB) 為任何輸入尋找最適當的答案。 QnA ...
QnA Maker 的使用時機 · 什麼是知識庫？ · 以程式設計方式建立聊天機器人

<https://docs.microsoft.com> > ... > 認知服務 > QnA Maker >

快速入門：建立、訓練及發佈您的QnA Maker 知識庫

2021年11月24日 — How many Azure services are used by a knowledge base? 新增使用 markdown 設定格式的答案：* Azure QnA Maker service\n* Azure Cognitive Search\n* ...

<https://ithelp.ithome.com.tw> > articles >

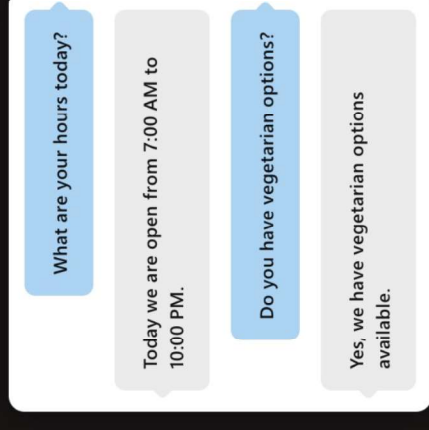
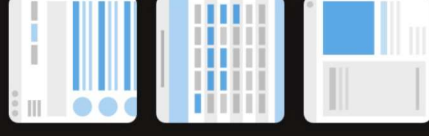
Day 24：問與答的應用-「QnA Maker」- iT 邦幫忙

Day 24：問與答的應用-「QnA Maker」 · 使用Modern Web 技術來打造Chat App 系列第24 篇 ·

From data to bot in minutes

Build, train and publish a sophisticated bot using FAQ pages, support websites, product manuals, SharePoint documents or editorial content through an easy-to-use UI or via REST APIs.

Get started >



No code experience

Create and publish a bot in teams, or elsewhere without writing a single line of code. You can also add personality to your bot using



① We strongly recommend you to use the [Question Answering](#) feature (now Generally Available) within Azure Cognitive Service for Language. You can visit [Language studio](#) to create a Language resource.

STEP 2

Connect your QnA service to your KB.

After you create an Azure QnA service, refresh this page and then select your Azure service using the options below

Refresh

* Microsoft Azure Directory ID

實踐大學

* Azure subscription name

Azure subscription 1

* Azure QnA service

SmartLearningBot

* Language

Chinese Traditional

STEP 3

...

STEP 3

Name your KB.

The knowledge base name is for your reference and you can change it at anytime.

* Name

TheTesting

STEP 4

Populate your KB.

Extract question-and-answer pairs from an online FAQ, product manuals, or other files. Supported formats are .tsv, .pdf, .doc, .docx, .xlsx, containing questions and answers in sequence. [Learn more about knowledge base sources.](#) Skip this step to add questions and answers manually after creation. The number of sources and file size you can add depends on the QnA service SKU you choose. [Learn more about QnA Maker SKUs.](#)

☐ **Enable multi-turn extraction from URLs, .pdf or .docx files.** [Learn more.](#)

URL

http://

+ [Add URL](#)

File name

+ [Add file](#)

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URL

http://

+ [Add URL](#)

File name

+ [Add file](#)

File name

[+ Add file](#)

Chit-chat

Give your bot the ability to answer thousands of small-talk questions in a voice that fits your brand. When you add chit-chat to your knowledge base by selecting a personality below, the questions and responses will be automatically added to your knowledge base, and you'll be able to edit them anytime you want. [Learn more about chit-chat.](#)

- ☒ None
- ☐ Professional
- ☐ Friendly
- ☐ Witty
- ☐ Caring
- ☐ Enthusiastic

STEP 5

Create your KB

The tool will look through your documents and create a knowledge base for your service. If you are not using an existing document, the tool will create an empty knowledge base table which you can edit.

[Create your KB](#)

ETPSSMBot (Publisher)

EDIT

PUBLISH

SETTINGS

Save and train

← Test

Knowledge base

Search the KB



17 QnA pairs

+ Add QnA pair



View options

Enable rich editor



1

2

Next >

Context

Question

Answer

Source: Editorial

智慧服務學程辦公室在...

想知道B棟在哪裡

想知道B棟在哪裡 ?



+ Add alternative phrasing

請看實踐大學台北校區校園地圖

+ Add follow-up prompt

請知道B棟在哪裡

請知道B棟在哪裡



+ Add alternative phrasing

請看實踐大學台北校區校園地圖

https://www.usc.edu.tw/zh_tw/about/uscmap

+ Add follow-up prompt

Source: QnA 2.0.xlsx

問題

問題



+ Add alternative phrasing

答案

+ Add follow-up prompt

Knowledge base

Search the KB

X

18 QnA pairs

+ Add QnA pair



View options

Enable rich editor



1

2

Next >

Context

Question

Answer

Source: Editorial



Enter an answer

+ Add follow-up prompt

+ Add alternative phrasing

智慧服務學程辦公室在...

想知道B棟在哪裡

想知道B棟在哪裡 ?



+ Add alternative phrasing

請看實踐大學台北校區校園地圖



+ Add follow-up prompt

請知道B棟在哪裡

請知道B棟在哪裡



+ Add alternative phrasing

請看實踐大學台北校區校園地圖



https://www.usc.edu.tw/zh_tw/about/uscmap

+ Add follow-up prompt

Source: QnA ? 0 view

Knowledge base

Search the KB

17 QnA pairs

+ Add QnA pair



View options

Enable rich editor



1

2

Next >

Context

Question

Answer

Source: Editorial

智慧服務學程辦公室在...

想知道B棟在哪裡

想知道B棟在哪裡 ?

+ Add alternative phrasing

請看實踐大學台北校區校園地圖

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請知道B棟在哪裡

+ Add alternative phrasing

請看實踐大學台北校區校園地圖

https://www.usc.edu.tw/zh_tw/about/uscmap

+ Add follow-up prompt

Source: QnA 2.0.xlsx

問題

問題

答案

+ Add alternative phrasing

+ Add follow-up prompt

Knowledge base

Search the KB

17 QnA pairs

+ Add QnA pair



View options

Enable rich editor



1 2 Next >

Context

Question

Answer

Source: Editorial

智慧服務學程辦公室在...

想知道B棟在哪裡

想知道B棟在哪裡 ?

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請看實踐大學台北校區校園地圖

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請知道B棟在哪裡

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https://www.usc.edu.tw/zh_tw/about/uscmap

+ Add follow-up prompt

Source: QnA 2.0.xlsx

問題

問題

答案

+ Add alternative phrasing

+ Add follow-up prompt

Knowledge base

Search the KB × 17 QnA pairs

Enable rich editor ☒

Context

⌵ Source: Editorial

智慧服務學程辦公室在...

⌵想知道B棟在哪裡

Question

想知道B棟在哪裡 ? ×

+ Add alternative phrasing

Answer

請看實踐大學台北校區校園地圖

+ Add follow-up prompt

請知道B棟在哪裡

請知道B棟在哪裡 ×

+ Add alternative phrasing

請看實踐大學台北校區校園地圖

https://www.usc.edu.tw/zh_tw/

+ Add follow-up prompt

⌵ Source: QnA 2.0.xlsx

問題

問題 ×

+ Add alternative phrasing

答案

+ Add follow-up prompt

Type your message here ...

Knowledge base

Search the KB



17 QnA pairs



Add QnA pair



View options

Enable rich editor



1

2

Next >

Context

Question

Answer

Source: Editorial

智慧服務學程辦公室在...

想知道B棟在哪裡

想知道B棟在哪裡 ?



+ Add alternative phrasing

請看實踐大學台北校區校園地圖



+ Add follow-up prompt

請知道B棟在哪裡

請知道B棟在哪裡



+ Add alternative phrasing

請看實踐大學台北校區校園地圖



https://www.usc.edu.tw/zh_tw/about/uscmap

+ Add follow-up prompt

Source: QnA 2.0.xlsx

問題

問題



答案

+ Add alternative phrasing

+ Add follow-up prompt



ETPSSMBot (Publisher)

EDIT

PUBLISH

SETTINGS

Save and train

← Test

ETPSSMBot

Publishing your knowledge base moves your QnAs from the test index to the production index. Once you publish, the knowledge base endpoint becomes available for use in your Bot or App

This knowledge base will be published to the [etpssmbot](#) QnA Maker service.

Cancel

Publish

Success! Your service has been deployed. What's next?

You can always find the deployment details in your service's settings.

Create Bot

[View](#) all your bots on the Azure Portal.

Use the below HTTP request to call your Knowledgebase. [Learn more.](#)

Postman Curl

```
POST /knowledgebases/f4434a06-aeae-4a66-a293-327d452de84f/generateAnswer
Host: https://smartlearningbot.azurewebsites.net/qnamaker
Authorization: EndpointKey 689ae1c2-0b5f-4922-8376-b0911eb2f7f5
Content-Type: application/json
{"question": "<Your question>"}
```

Need to fine-tune and refine? Go back and keep editing your service.

Edit Service

Bot handle ⓘ

smartlearningbot-bot

Subscription *

Azure subscription 1

Resource group *

SmartLearningBot

Create new

Location ⓘ

West US

Pricing tier (View full pricing details) *

App name ⓘ

smartlearningbot-bot-90fd

.azurewebsites.net

SDK language *

C#

Node.js

QnA Auth Key ⓘ

689ae1c2-0b5f-4922-8376-b0911eb2f7f5

App service plan/Location *

ETPSSMBot/Japan East

Microsoft Azure

Search resources, services, and docs (G+)

Home >

Web App Bot ...

Bot Service

Resource group *
SmartLearningBot

Create new

Location * ⓘ
West US

Pricing tier (View full pricing details) *
F0 (10K Premium Messages)

All Available Pricing

F0 (10K Premium Messages)

S1 (1K Premium Msgs/Unit)

☒ C# ☐ Node.js

QnA Auth Key * ⓘ
689ae1c2-0b5f-4922-8376-b0911eb2f7f5

App service plan/Location *
ETPSSMBot/Japan East

Application Insights ⓘ
☐ Off

Microsoft App ID and password ⓘ
Auto create App ID and password

Create

Home >

Web App Bot

Bot Service

Resource group *

SmartLearningBot

Create new

Location ⓘ

West US

Pricing tier (View full pricing details) *

F0 (10K Premium Messages)

All Available Pricing

F0 (10K Premium Messages)

S1 (1K Premium Msgs/Unit)

☒ C#

☐ Node.js

QnA Auth Key * ⓘ

689ae1c2-0b5f-4922-8376-b0911eb2f7f5

App service plan/Location *

ETPSSMBot/Japan East

Application Insights ⓘ

☐ Off

Microsoft App ID and password ⓘ

Auto create App ID and password

Create

Help us improve Bot Service. Take our survey!

Essentials

Resource group (Move) : ETPSSMBot

Subscription (Move) : Azure subscription 1

Subscription ID : 53952cd2-c461-4a14-8e62-58a697b738dd

Tags (Edit) : Click here to add tags

Bot Service pricing tier : F0

Messaging endpoint : https://etpssmbot-bot-9038.azurewebsites.net/api/messages

Linked app service : etpssmbot-bot-9038

JSON View

Build enterprise-grade conversational AI

Develop enterprise-grade, conversational AI experiences, while maintaining control of your data. Edit your bot in Bot Framework Composer or SDK, host your bot in any environment and enable customers from a variety of channels, such as your app or website, Direct Line Speech, Microsoft Teams and more. [Learn more](#)



Get set up with local development

Download your bot's source code, start building locally using your preferred dev environment, and add intelligence using Microsoft's services. Note: For User-Assigned Managed Identity and Single Tenant app, Azure Portal's 'Open in Composer' link is not yet supported for bots with these app types. BotFramework SDK (C# or Javascript) version 4.15.0 or higher is needed for



Test and refine your bot

Refined and debug locally with Emulator, and test your bot online in Web Chat. Learn more about testing and debugging.

[Test in Web Chat](#)

Publish to Azure

When you are ready, publish your bot to Azure and connect to channels. Learn about publishing directly to Azure and continuous deployment.

[Connect to channels](#)

Download bot source code

Refresh

Move

Delete

Help us improve Bot Service. Take our survey!

JSON View

Essentials

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Subscription (Move) : Azure subscription 1

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Publish to Azure

When you are ready, publish your bot to Azure and connect to channels. Learn about publishing directly to Azure and continuous deployment.

Test in Web Chat

Connect to channels



etpssmbot-bot | Test in Web Chat

Web App Bot

Search (Cmd+/)

Test

Start over

Overview

Activity log

Access control (IAM)

Tags

Settings

Bot profile

Configuration

Channels

Channels (deprecated)

Pricing

Test in Web Chat

Encryption

Properties

Locks

Monitoring

Conversational analytics

Alerts

Metrics

Diagnostic settings

Logs

Hello and welcome!

Just now

Type your message



Microsoft Azure
Connect To Facebook

Essentials

Resource group (Move) : ETPSSMBot

Subscription (Move) : Azure subscription 1

Subscription ID : 53952cd2-c461-4a14-8e62-58a697b738dd

Tags (Edit) : Click here to add tags

Bot Service pricing tier : F0

Messaging endpoint : https://etpssmbot-bot-9038.azurewebsites.net/api/messages

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Test in Web Chat

Publish to Azure

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Connect to channels

Search (Cmd+)

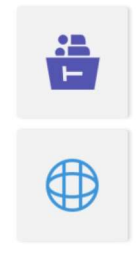
- Overview
- Activity log
- Access control (IAM)
- Tags
- Settings
- Bot profile
- Configuration
- Channels

Connect to channels

Name	Health	Published	Actions
 Facebook	Running	--	Edit
 Web Chat	Running	--	Edit

Get bot embed codes

Add a featured channel



More channels





Web App Bot

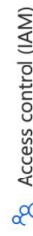
Search (Cmd+)



Overview



Activity log

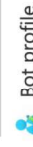


Access control (IAM)



Tags

Settings



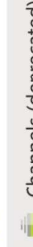
Bot profile



Configuration



Channels



Channels (deprecated)



Pricing



Test in Web Chat



Encryption



Properties

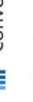


Locks

Monitoring



Conversational analytics



Alerts



Metrics



Diagnostic settings



Logs

Configure Facebook Channel



Note: Facebook Messenger API Updates for Europe (Dec 16 2020)

Enter Facebook Messenger Credentials

Step-by-step instructions to add the bot to Facebook Messenger.

Facebook App ID *

* 1

Facebook App Secret *

* 2

Page ID *

Page Access Token *

Cancel

Save

Enabled

Delete Channel

Search (Cmd+I)

«

Overview

Activity log

Access control (IAM)

Tags

Page ID *

Page Access Token *

+ Add a new page

Settings

Bot profile

Configuration

Channels

Add your bot to Workplace by Facebook

Instructions for enabling the bot in Workplace by Facebook

Channels (deprecated)

Pricing

Test in Web Chat

Encryption

Properties

Locks

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Metrics

Diagnostic settings

Logs

Callback URL and Verify Token for Facebook

What do I do with my Callback URL and Verify Token?

Callback URL (copy and paste in Facebook)

Verify Token (copy and paste in Facebook)

Want to add your bot to Facebook Messenger App Directory?

Cancel

Save

Enabled

Delete Channel



粉絲專頁



... 查看所有粉絲專頁

+ 建立新專頁



商務套件



探索



說讚的粉絲專頁



邀請

11則新通知



通知



訊息



通知



訊息



通知



訊息



通知



訊息



通知



訊息



Facebook 圖形 API v12.0 和行銷 API v12.0 隆重登場

今天我們將推出 Facebook 圖形 API 第 12.0 版和行銷 API 第 12.0 版

→ 瞭解詳情

強制平台遵循規定的期限

[瞭解詳情](#)

與 META 攜手成長

重要：針對所有關於遵循規定的電子郵件通訊內容，請確保你是透過在應用程式主控板註冊的聯絡電子郵件地址寄出電子郵件，且我們的電子郵件地址是位於「to:」欄位，而非「cc:」或「bcc:」欄位，否則我們將不會收到你的訊息。若要深入瞭解申請程序，請參考這篇開發人員部落格貼文。感謝你！

應用程式

篩選條件

☒ 所有應用程式

☐ 已封存



還沒有應用程式

若要開始，請建立第一款應用程式。

建立應用程式

建立應用程式

類型

詳細資料

選擇應用程式類型

建立應用程式後即無法變更應用程式類型。[瞭解詳情](#)

企業商家

藉由可用的商家權限、功能和產品，建立或管理粉絲專頁、活動、社團、廣告、Messenger、WhatsApp 和 Instagram 圖形 API 等商家資產。

消費者

將消費者產品和權限（例如 Facebook 登入和 Instagram 基本顯示等等）連結到你的應用程式。

即時遊戲

建立裝載於 Facebook 的 HTML5 遊戲。

遊戲

將平台以外的遊戲與 Facebook 登入連結。

Workplace

Create enterprise tools for Workplace from Meta.

無

結合消費者及商家權限和產品來建立應用程式。

繼續

為你的使用體驗評分

好 差



建立應用程式



類型



詳細資料

新增詳細資料

顯示名稱

這是與你應用程式編號相關的應用程式名稱。你日後可以變更此名稱。

應用程式聯絡電子郵件地址

此電子郵件地址會用來與你聯繫各項事宜，例如潛在違規情形、應用程式限制，或是應用程式遭刪除或入侵時的復原步驟等。

商業帳號，選填

應用程式可能需要連結到已驗證的企業管理平台帳號，才能存取 Facebook 開放平台的特定功能。

未選擇企業管理平台帳號

繼續即表示你同意 Facebook [《開放平台使用條款》](#) 和 [《開發商政策》](#)

返回

建立應用程式

為你的使用體驗評分

○ 好 ○ 差



應用程式編號：



應用程式類型：企業商家

🔗 使用說明



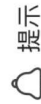
主控板



設定



角色



提示



應用程式審查

商品

新增商品

Facebook 登入

Webhooks

Messenger

活動紀錄

活動紀錄

為應用程式新增產品

我們展示出打造你所選應用程式類型的必備產品和權限，以簡化應用程式建立流程。



App Events

瞭解用戶如何在應用程式、裝置、平台和網站中與你的企業互動。

閱讀文件

設定



Audience Network

利用來自 Facebook 廣告商的廣告，透過你的應用程式營利和提升收益。

閱讀文件

設定



Fundraisers

Create and manage fundraisers for charities.

閱讀文件

設定



Instagram 圖形 API

將你的應用程式與 Instagram API 整合，讓企業商家透過 Instagram 帳號使用你的應用程式。

閱讀文件

設定



Jobs

Post jobs to the Facebook platform and receive applications from users.

閱讀文件

設定



行銷 API

將 Facebook 行銷 API 與你的應用程式整合。

閱讀文件

設定



特定產品的應用程式審查流程現在經由「應用程式審查」統一管理。若要為 Messenger 建立審查要求，請前往應用程式主控板「應用程式審查」區塊中的「權限和功能」。

Messenger 開放平台

歡迎使用 Messenger 開放平台！

Messenger 開放平台提供眾多 API、網頁外掛程式和完整的 WebView，能夠應付打造出出色體驗的一切所需。現在就透過 Messenger，在所有裝置和平台上觸及用戶、支援多種溝通管道、創造可自動回覆和即時聊天的豐富體驗，以及使用更多功能。

為了確保品質及避免平台遭到濫用，所有 Messenger 應用程式都必須提交審查，通過審查後才能與 Messenger 所有用戶互動。在開發期間，你可以傳送訊息給任何獲得你應用程式管理員、開發人員和測試人員角色的人。

若要開始使用，請查看開發人員文件以瞭解完整細節。你對開放平台的存取和使用情形皆受 Facebook《開放平台使用條款》和《開發商政策》以及其他適用的條款和政策規範。

立即開始

查看一些可能幫助你開發的資源：[快速入門](#)（在 10 分鐘內建立 Messenger 應用程式）和[完整文件](#)。同時加入我們的 [Messenger 開放平台開發人員論壇](#)或 Facebook 以取得最新消息和瞭解詳情！

存取權杖

產生粉絲專頁存取權杖，以開始使用開放平台 API。如果

1. 你是其中一位粉絲專頁管理員，且
2. 此應用程式已獲得粉絲專頁授予的在 Messenger 管理並存取粉絲專頁對話權限。

你將能為粉絲專頁產生存取權杖。注意：若你的應用程式正處於開發模式，則你建立的權杖只能存取應用程式或粉絲專頁的管理人員。

建立新的粉絲專頁

應用程式編號：

應用程式類型：企業商家

🔗 使用說明

🏠 主控板

⚙️ 設定

👤 角色

🔔 提示

🛡️ 應用程式審查

商品

新增商品

Facebook 登入

Webhooks

Messenger

設定

Instagram 設定

活動紀錄

☰ 活動紀錄

存取權杖

產生粉絲專頁存取權杖，以開始使用開放平台 API。若粉絲專頁符合下列條件，你將能為該專頁產生存取權杖：

1. 你是其中一位粉絲專頁管理員，且
2. 此應用程式已獲得粉絲專頁授予的 manage and access messages for the Instagram account connected to your Page 權限。

未授予粉絲專頁權限

你必須連結粉絲專頁並授予其必要的權限，才能產生權杖。

新增或移除粉絲專頁

Webhooks

若要接收 Instagram 用戶傳送的訊息和其他事件，應用程式必須啟用 Webhooks 整合。

新增回呼網址

存取權杖

產生粉絲專頁存取權杖，以開始使用開放平台 API。如果

1. 你是其中一位粉絲專頁管理員，且
2. 此應用程式已獲得粉絲專頁授予的在 Messenger 管理並存取粉絲專頁對話權限。

↑
粉絲專頁



權杖

1

產生權杖

新增或移除粉絲專頁

4 *

Webhooks

的的使用方式和服務條款。



Instagram 設定



存取權杖

產生粉絲專頁存取權杖，以開始使用開放平台 API。若粉絲專頁符合下列條件，你將能為該專頁產生存取權杖：

1. 你是其中一位粉絲專頁管理員，且
2. 此應用程式已獲得粉絲專頁授予的 manage and access messages for the Instagram account connected to your Page 權限。



未授予粉絲專頁權限

你必須連結粉絲專頁並授予其必要的權限，才能產生權杖。

新增或移除粉絲專頁

Webhooks

若要接收 Instagram 用戶傳送的訊息和其他事件，應用程式必須啟用 Webhooks 整合。

新增回呼網址



應用程式編號：

應用程式類型：企業商家

[使用說明](#)

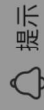
主控板



設定



角色



提示



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活動紀錄

編輯回呼網址

回呼網址

此物件的驗證要求和 Webhook 通知將傳送到此網址。

驗證權杖

在回呼網址驗證中，Facebook 會向你回應此權杖。

[瞭解詳情](#)[取消](#)[驗證並儲存](#)

存取權杖：

connected to your Page 權限。

Webhooks

若要接收 Instagram 用戶傳送的訊息和其他事件，應用程式必須啟用 Webhooks 整合。

[新增回呼網址](#)

Search (Cmd+I)

Overview

Activity log

Access control (IAM)

Tags

Page ID *

Page Access Token *

+ Add a new page

Add your bot to Workplace by Facebook

Instructions for enabling the bot in Workplace by Facebook

Callback URL and Verify Token for Facebook

What do I do with my Callback URL and Verify Token?

1

Callback URL (copy and paste in Facebook)

https://

2

Verify Token (copy and paste in Facebook)

Fl_

Want to add your bot to Facebook Messenger App Directory?

Cancel

Save

Enabled

Delete Channel

應用程式編號：

應用程式類型：企業商家

🔗 使用說明

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⚙️ 設定

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≡ 活動紀錄

產生權杖

新增或移除粉絲專頁

Webhooks

若要接收 Messenger 用戶傳送的訊息和其他活動，應用程式必須啟用 Webhooks 整合。

回呼網址

https://

驗證權杖

.....

此物件的驗證要求和 Webhook 通知將傳送到此網址。

在回呼網址驗證中，Facebook 會向你回應此權杖。

編輯回呼網址

🔔 顯示近期錯誤

粉絲專頁 ↑

Webhooks

6個欄位

messages、messaging_postbacks、messaging_optins、messaging_optouts、message_deliveries

編輯

新增或移除粉絲專頁

> Webhook 欄位版本控制項

你的粉絲專頁是否會因為我們基於歐洲的新隱私規定進行更新而受到影響？

應用程式編號：

應用程式類型：企業商家

使用說明



主控板



設定



角色



提示



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Instagram 設定

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活動紀錄

編輯粉絲專頁訂閱

訂閱欄位

- | | | |
|---|--|---|
| ☒ messages | ☒ messaging_postbacks | ☒ messaging_optsins |
| ☒ messaging_optouts | ☒ message_deliveries | ☐ message_reads |
| ☐ messaging_payments | ☐ messaging_pre_checkouts | ☐ messaging_checkout_updates |
| ☐ messaging_account_linking | ☐ messaging_referrals | ☐ message_echoes |
| ☐ messaging_game_plays | ☐ standby | ☐ messaging_handovers |
| ☐ messaging_policy_enforcement | ☐ message_reactions | ☐ inbox_labels |
| ☐ messaging_feedback | ☒ messaging_customer_information | |

瞭解詳情

取消

儲存

開啟外掛程式

這樣可讓以訪客身分開始洽談外掛程式對話的用戶在對話期間隨時登入。此功能可能需要開發人員進一步操作或支援才能啟用。瞭解詳情

開啟

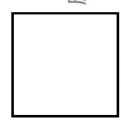
Guest Upgrade

Allow guest conversations to log in.

必要動作

沒有任何必要執行項目可顯示。如果未來你的任何應用程式需要你立即注意，該項目將會顯示在這裡。

應用程式限速



應用程式編號：



已使用的次數佔上限0%



剩餘100%

查看詳情

用戶限速



0

已節流的用戶

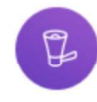
為應用程式新增產品

我們展示出打造你所選應用程式類型的必備產品和權限，以簡化應用程式建立流程。



App Events

瞭解如何添加權限、設置、平台和網站中與你



Audience Network

利用來自 Facebook 廣告的產生，透過你的欄位和



Fundraisers



應用程式編號：



應用程式類型：企業商家

🔗 使用說明



主控板



設定

基本資料

進階



角色



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Messenger

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活動紀錄

*2

應用程式編號

應用程式密鑰

顯示

顯示名稱

命名空間

應用程式網域

聯絡電子郵件 ⓘ

隱私政策網址

服務條款網址

「登入」對話方塊和應用程式詳細資料的服務條款

應用程式圖示 (1024 x 1024)

類別

教育 ▾

到這裡瞭解更多有關應用程式類別的資訊。

應用程式用途

此應用程式的主要用途是代表以下對象存取並使用 Facebook 開放平台的資料：

☒ 你自己或你的商家

☐ 客戶

如果此應用程式的主要用途為代表單一或多位客戶管理資料或資產，請選擇這個選項。

捨棄

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https://

Verify Token (copy and paste in Facebook)

Fl

Want to add your bot to Facebook Messenger App Directory?

Cancel

Save

Enabled

Delete Channel



搜尋 Facebook

管理粉絲專頁

實踐大學智慧服務管理英語學士學位學程
SSM



商務套件



收件匣



規劃工具



發佈工具



動態消息



商業應用程式



首頁



播客



通知



洞察報告



產生中心



推廣



編輯行動呼籲按鈕

選擇你希望粉絲專頁訪客採取的動作。



追蹤

讓用戶輕鬆追蹤你的粉絲專頁。



查看禮物卡

選擇可讓用戶購買你禮物卡的網站。



開始點餐

選擇可讓用戶向你訂購美食的網站。



搶先預約

選擇讓用戶在哪裡向你預約。



立即通話

選擇你想接收通話的地方。



聯絡我們

選擇可讓用戶找到你聯絡資料的網站。



發送訊息

在粉絲專頁收件匣接收訊息。



發送 WhatsApp 訊息

選擇與你 WhatsApp 帳號連結的電話號碼，以使用戶與你聯繫。



寄送電子郵件

選擇可讓用戶聯繫到你的電子郵件地址。



瞭解詳情

選擇可讓用戶深入了解你所做事情的網站。



註冊

選擇可讓用戶註冊你電子報的網站。



使用應用程式



編輯



編輯「發送訊息」



推廣



前往商務套件

建立貼文



接收訊息



感受 / 活動

活動



工作機會



優惠



廣告

務管理英語學士學位學程 SSM

12月13日上午2:05 · 🌐

智慧服務管理

成果



Thank You for Your Listening