



ChatBot with Slack Implementation



Integrating an Amazon Lex Bot with Slack

Step 1: Create an Amazon Lex Bot

Step 2: Sign Up for Slack and Create a Slack Team

Step 3: Create a Slack Application

Step 4: Integrate the Slack Application with the Amazon Lex Bot

Step 5: Complete Slack Integration

Step 6: Test the Integration





1. Modify Lex Configurations with Slack App Credentials

slack api

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App Credentials

These credentials allow your app to access the Slack API. They are secret. Please don't share your app credentials with anyone, include them in public code repositories, or store them in insecure ways.

App ID

A02PWV2FPME

Date of App Creation

December 1, 2021

Client ID

2812980719424.2812988533728

Client Secret

.....

ShowRegenerate

You'll need to send this secret along with your client ID when making your [oauth.v2.access](#) request.

Signing Secret

.....

ShowRegenerate

Slack signs the requests we send you using this secret. Confirm that each request comes from Slack by verifying its unique signature.

Verification Token

1LBIUg9nXpTnXlaDnpzqRatV

Regenerate



2. Obtain Postback URL and OAuth URL

aws

Services

Search for services, features, blogs, docs, and more

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Build

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Settings

Channels

Monitoring

Channels

Facebook

Kik

Slack

Twilio SMS

Verification Token*

Verification Token

i

Success Page URL

Success Page URL

i

Tags

* Required

Activate

Callback URLs

Copied url for chatbot_for_students to clipboard

x

chatbot_for_students (stage)

2021-12-01 12:01:52

Created

Delete

Manage tags

Postback URL:

https://channels.lex.us-east-1.amazonaws.com/slack/we...

Copy

OAuth URL:

https://channels.lex.us-east-1.amazonaws.com/slack/oa...

Copy

Test Chatbot

Feedback

English (US)

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3.1.Modify Slack Admins Page Ports And Permissions by first modifying OAuths and Permissions: copy the OAuth URL and paste to Redirect URL

slack api

Q Search

OAuth & Permissions

Event Subscriptions

User ID Translation

Beta Features

Where's Bot User

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These tokens were automatically generated when you installed the app to your team. You can use these to authenticate your app. [Learn more.](#)

Bot User OAuth Token

xoxb-2812980719424-2786394966245-IATPaHpfgEuLsm5d5mNFWljA

Copy

Access Level: Workspace

Reinstall to Workspace

Redirect URLs

You will need to configure redirect URLs in order to automatically generate the Add to Slack button or to distribute your app. If you pass a URL in an OAuth request, it must (partially) match one of the URLs you enter here. [Learn more.](#)

Redirect URLs

https://channels.lex.us-east-1.amazonaws.com/slack/oauth/ab

Add New Redirect URL

Save URLs

3.2. Add scope

Scopes

A Slack app's capabilities and permissions are governed by the [scopes](#) it requests.

Bot Token Scopes

Scopes that govern what your app can access.

OAuth Scope	Description	
chat:write	Send messages as @chatbotscu	
im:history	View messages and other content in direct messages that Chatbot_SCU has been added to	
team:read	View the name, email domain, and icon for workspaces Chatbot_SCU is connected to	

Add an OAuth Scope

User Token Scopes

Scopes that access user data and act on behalf of users that authorize them.

OAuth Scope	Description
You haven't added any OAuth Scopes for your User token.	

Add an OAuth Scope

Scopes define the [API methods](#) an app is allowed to call, which information and capabilities are available



4. Modify Slack Admins Page Ports And Permissions by then modifying Interactive Components : copy the Postback URL and paste to Request URL

Basic Information

Collaborators

Socket Mode

Install App

App Manifest BETA

Manage Distribution

Features

App Home

Org Level Apps

Incoming Webhooks

Interactivity & Shortcuts

Slash Commands

Workflow Steps

OAuth & Permissions

Event Subscriptions

User ID Translation

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Review & Submit

Interactivity & Shortcuts

Interactivity On

Any interactions with shortcuts, modals, or interactive components (such as buttons, select menus, and datepickers) will be sent to a URL you specify. [Learn more.](#)

Request URL

https://channels.lex.us-east-1.amazonaws.com/slack/webhook/ab588b50-4c0c-4c

Slack will send an HTTP POST request with information to this URL when users interact with a shortcut or interactive component.

Shortcuts

Let people take actions — like filing a bug or adding a new sales lead — while using your app in Slack. [Learn more.](#)

Name

Location

Callback ID

Create New Shortcut

Discard Changes

Save Changes



5. Enable Event Subscription and paste Postback URL to request URL

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Enable Events

On

Your app can subscribe to be notified of events in Slack (for example, when a user adds a reaction or creates a file) at a URL you choose. [Learn more.](#)

Request URL Verified ✓

https://channels.lex.us-east-1.amazonaws.com/slack/webhook/ab588b50-

Change

We'll send HTTP POST requests to this URL when events occur. As soon as you enter a URL, we'll send a request with a challenge parameter, and your endpoint must respond with the challenge value. [Learn more.](#)

New event authorization format

i Recent changes to Events API payloads

The Events API now sends information about authorized users and workspaces in a new, compact format. [Learn more.](#)

Subscribe to bot events

▶

Discard Changes

Save Changes



6. Install app to workspace and add it to slack

Search Santa Clara University

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Browse Slack

Channels

chatbotforstudents

general

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+ Add channels

Direct messages

Slackbot

Pragya Kathpalia you

Ashish Kumar

Surya Kiran Udaya Kumar

Tanvi Pandey

+ Add teammates

Apps

Chatbot_SCU

+ Add apps

Chatbot_SCU ▾

Home Messages About

This conversation is just between the two of you

Here you can send messages and share files with @Chatbot_SCU.

💡 How does Chatbot_SCU work?

Today ▾

P Pragya Kathpalia 12:27 PM

Hi

Chatbot_SCU APP 12:27 PM

Hello! Welcome to Santa Clara University. Who do I have the pleasure of speaking with?

P Pragya Kathpalia 12:27 PM

Pragya

Chatbot_SCU APP 12:27 PM

Hi Pragya! Before we proceed, can you answer some questions so I can help you better?

Send a message to Chatbot_SCU

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