



---

☰ Welcome to Onyx > **Slack Bot Setup**

---

[Welcome to Onyx](#)

# Slack Bot Setup

How to set up a Slack bot to automatically answer questions

## OnyxBot Introduction

Onyx will connect to your Slack and listen for messages to answer.

You can easily configure rules for what channels Onyx should respond in, what knowledge sets should back each configured channel, and set filters to respond or not respond to different types of messages.

When Onyx identifies valid questions, it will respond in the message thread with:

- An LLM generated answer

- Quotes of the most relevant excerpts

- Sources with highlighted keywords



&gt;

## AI Answer

The error `Exception: Unable to instantiate TypesenseClient` you're encountering is likely due to a recent switch from Typesense/Qdrant to Vespa, and the images not being updated yet. You can try checking out tag v0.1.9 and see if that resolves the issue. Additionally, there seems to be a problem with...

[See more](#)

### Relevant Snippets

#support:

Ah, this is probably because we just switched to Vespa but haven't updated the images yet,

Can you check out tag v0.1.9 and try?

#support:

regarding the typesense issue: this is a docker compose precedence thing, the .env file overwrites the defaults specified by the yaml whic...

[See more](#)

## Reference Documents

#support:

I cant seem to get past this error `Exception: Unable to instantiate TypesenseClient`. I have attached my log Ah, this is probably because we just switched to Vespa... yet, Can you check out tag v0.1.9 and try? I'm building the images now :slightly\_smiling\_fa...

#general:

Onyx also provides a configuration page so you can create custom settings for each slack channel (or you can just use the default settings for all your channels).



&gt;

#ask-danswer Remove

Add New

☒ **Hide Non-Answers**  
If set, will only answer questions that the model determines it can answer

☐ **Only respond to questions**  
If set, will only respond to messages that contain a question mark

☐ **Respond to @DanswerBot Only**  
If set, DanswerBot will only respond when directly tagged

**Team Members Emails:**  
If specified, DanswerBot responses will only be visible to members in this list. This is useful if you want DanswerBot to operate in an "assistant" mode, where it helps the team members find answers, but let's them build on top of DanswerBot's response / throw out the occasional incorrect answer.

Add New

**Document Sets:**  
The document sets that DanswerBot should search through. If left blank, DanswerBot will search through all documents.

Human Resources Onboarding Security Posture

Create!

Since we are using Web Sockets, Onyx is able to initiate the connection. This means that this is able to work even if you are running Onyx inside a firewall protected VPC.

## Setting up

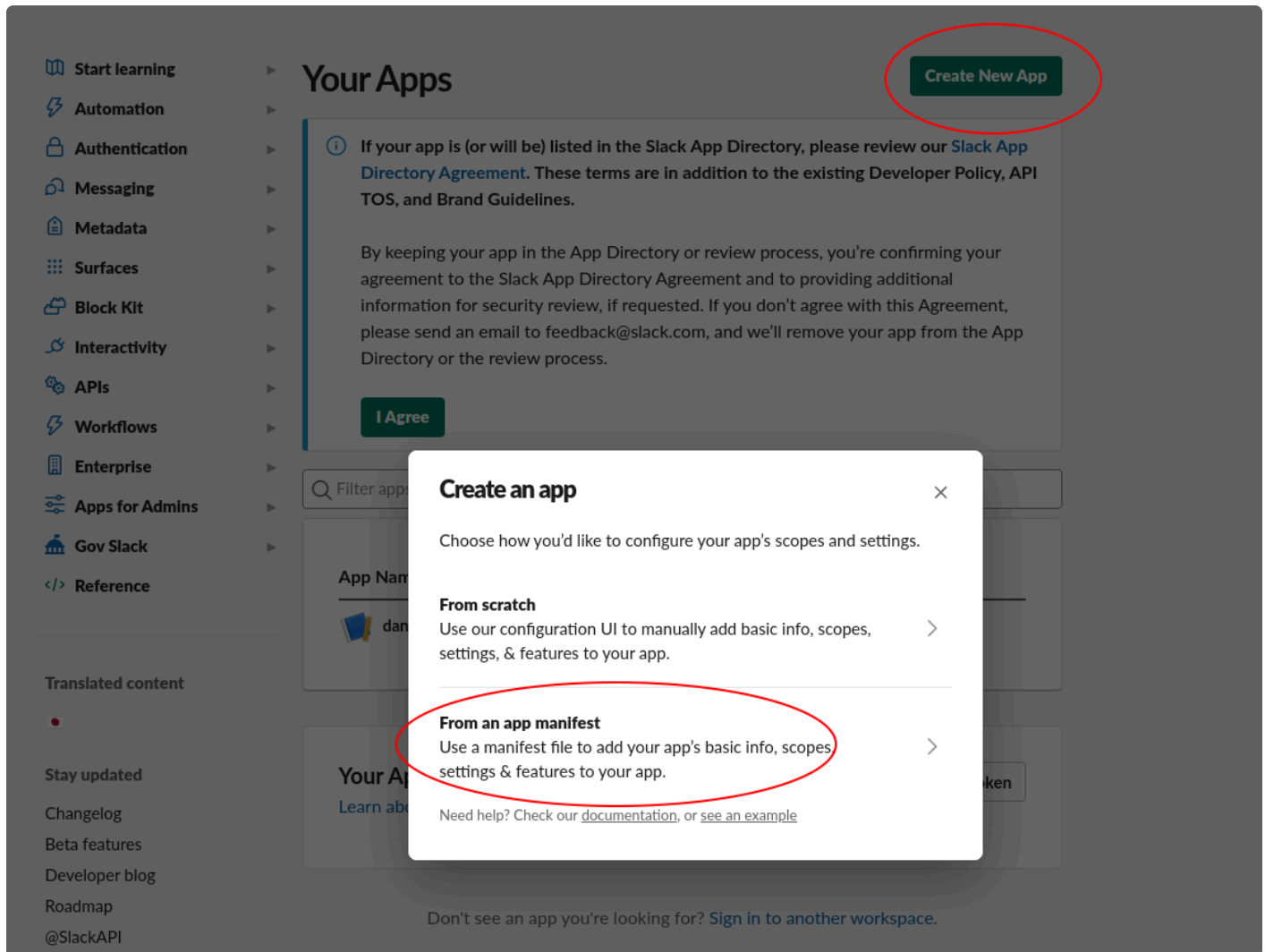
### Authorization

**Note:** You must be an admin of the Slack workspace to set up the Slack bot.

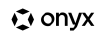
1. Navigate and sign in to <https://api.slack.com/apps>.
2. Create a new Slack app:



&gt;



3. Select the "YAML" tab, paste the following manifest into the text box, and click **Next**:



&gt;

```
app_home:
  home_tab_enabled: false
  messages_tab_enabled: true
  messages_tab_read_only_enabled: false
bot_user:
  display_name: OnyxBot
  always_online: true
slash_commands:
  - command: /onyx
    description: Get back a private answer!
    usage_hint: Put your question here!
    should_escape: false
oauth_config:
  scopes:
    bot:
      - app_mentions:read
      - channels:history
      - channels:join
      - channels:read
      - chat:write
      - commands
      - groups:history
      - groups:read
      - im:history
      - im:read
      - mpim:history
      - reactions:write
      - reactions:read
      - usergroups:read
      - users:read.email
      - users:read
settings:
  event_subscriptions:
    bot_events:
      - app_mention
      - message.channels
```



&gt;

```
org_deploy_enabled: false
socket_mode_enabled: true
token_rotation_enabled: false
```

5. Click the **Create** button.
6. Generate an **App-level Token** ; Under **Basic Information**, scroll to the **App-level tokens** section and click the button to generate an **App-level token**. ([learn more](#))  
Add the `connections:write` scope to the app-level token and click **Generate**. Copy this somewhere safe for now, as you will need this later to initiate the Web Socket-based connection to Slack.
7. In the app page, navigate to the **OAuth & Permissions** tab under the **Features** header.
8. Under **OAuth Tokens for Your Workspace**, select `Install to Workspace` and Allow the app.



&gt;

## DanswerBot is requesting permission to access the Danswer Slack workspace

### What will DanswerBot be able to view?



Content and info about channels &amp; conversations



### What will DanswerBot be able to do?



Perform actions in channels &amp; conversations



Cancel

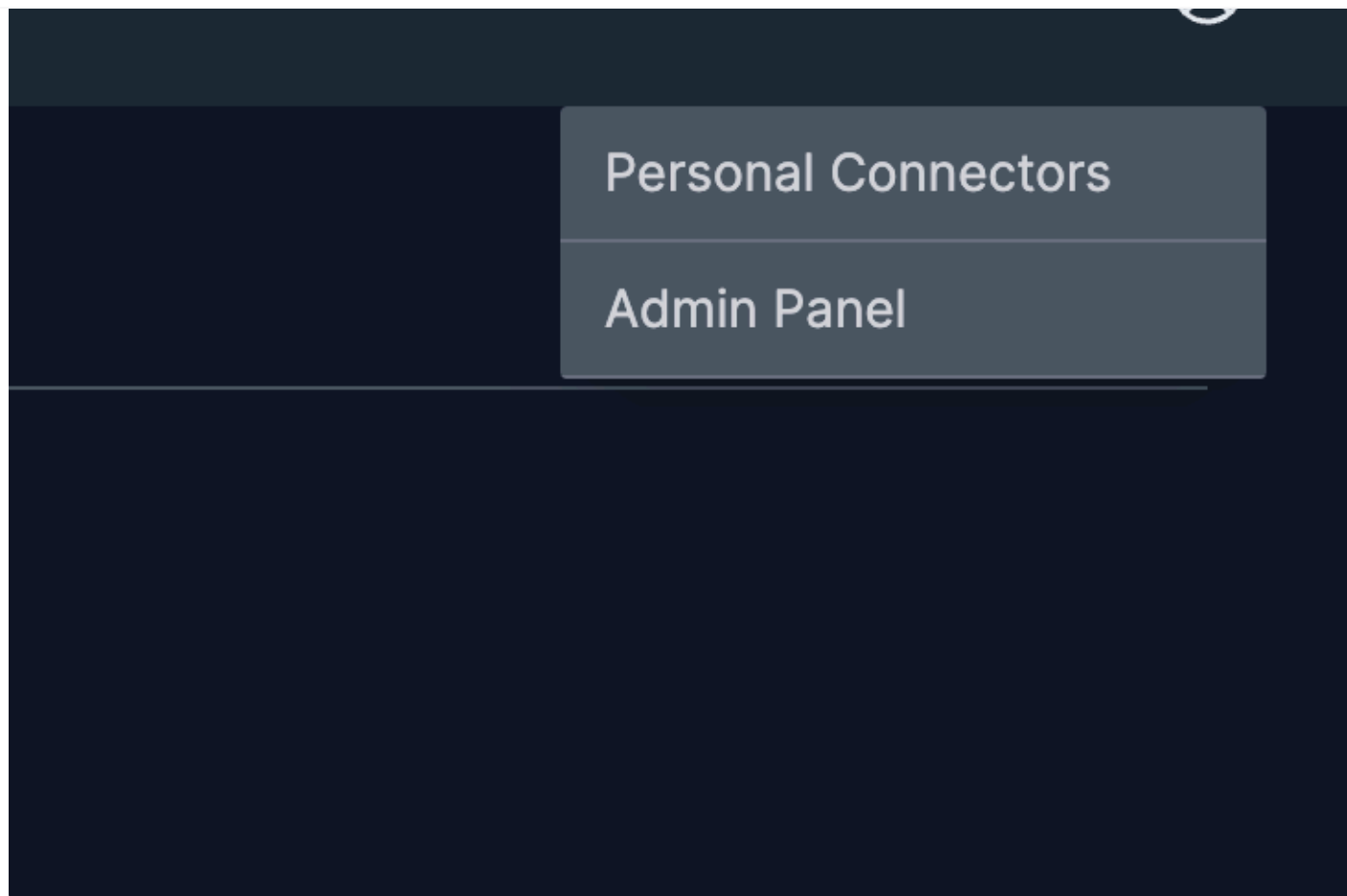
Allow

9. Copy the **Bot User OAuth Token**, this will be needed later to enable us to respond to messages as OnyxBot.

## Setting Onyx to use it



&gt;



On the left hand menu of the admin page, navigate to the bottom to **Bots**.

Provide your Slack Tokens and Onyx will start to respond to your slack channels after a short startup delay.





&gt;

**Edit Tokens**

### Step 2: Setup DanswerBot

Configure Danswer to automatically answer questions in Slack channels

#### Set Slack Bot Tokens

Slack Bot Token

.....

Slack App Token

.....

**Set Tokens**

ons	Tags Only	Delete
-----	-----------	--------

There are also a set of less often used / more advanced configuration options available via environment variables that can set things like how many "Reference Documents" to show per answer, etc. Refer to the available configs [here](#)

[Resourcing](#)[Chrome Extension](#)

Powered by Mintlify