Video Analytics for PPE Detection - APPE Detection System Beta Version

Slack Notifications Setup





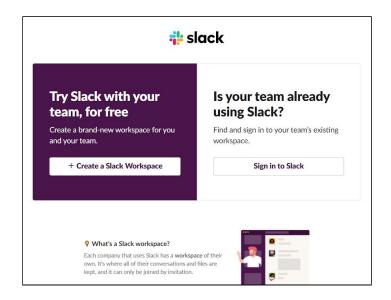
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Overview

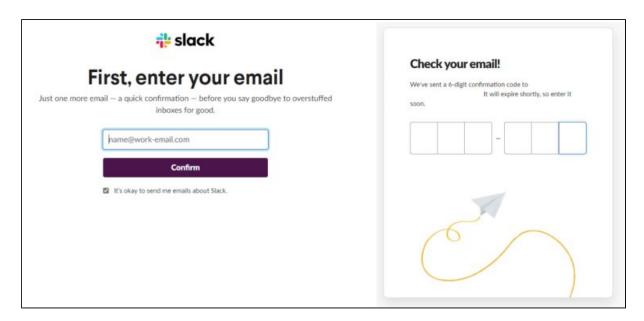
This document will explain how to setup your Slack workspace, configure a Slack bot to send notifications, and assign channels which the bot will send notifications to. This process will take approximately 10 minutes to complete and at the end of this tutorial, you will be able to receive notifications from Slack.

1. Creating a Slack workspace and channel

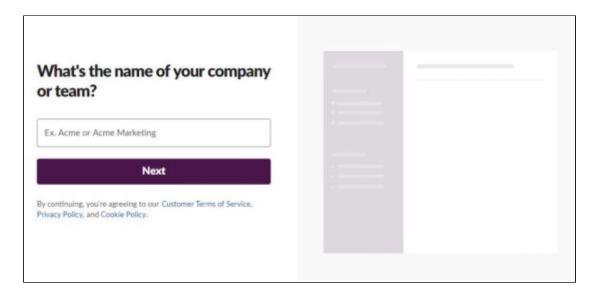
- -- Skip to Section 2 if you already have a slack workspace --
- If you don't have an existing workspace for the PPE Detection System, go to https://slack.com/get-started#/
 on your browser and click on the 'Create a Slack Workspace' button.



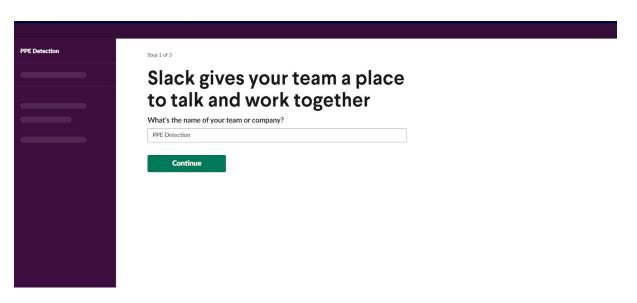
2. Enter your email and verify it by entering a six-digit code sent to your email.



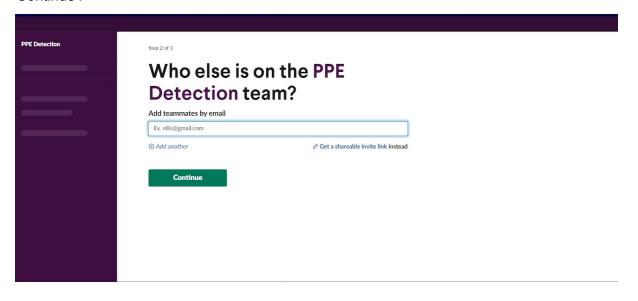
3. Name your workspace.



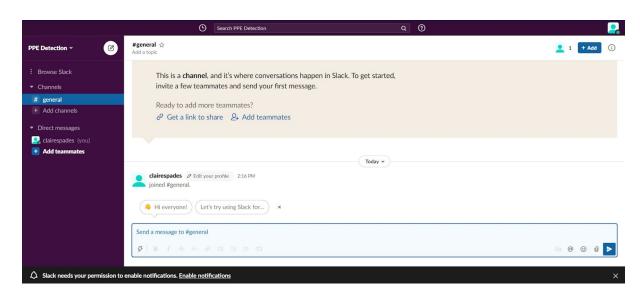
4. Briefly describe your project



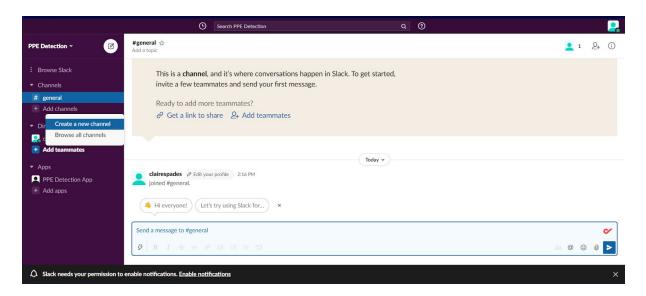
5. A channel and a workspace should now be generated. In this step, you may add other team members into this project, or press 'Skip for now'. After that, click on 'Continue'.



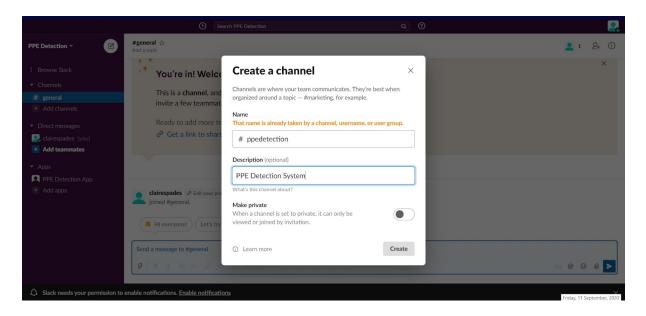
6. Your slack workspace should appear like this.



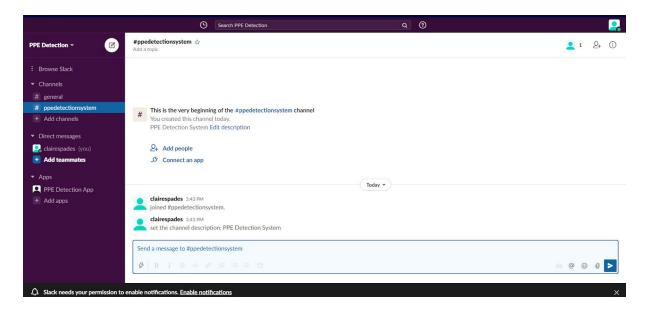
7. Create a new channel by clicking on 'Add channel'



8. Fill in the fields with your preferred channel name and description

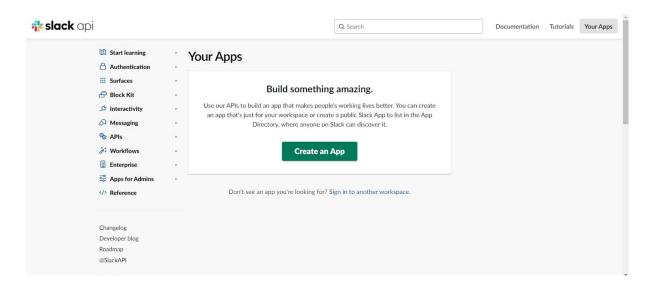


9. Click 'Create' and the following screen should appear.

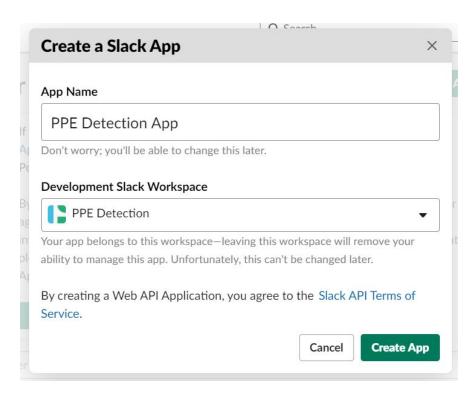


2. Creating a bot for use with your Slack workspace

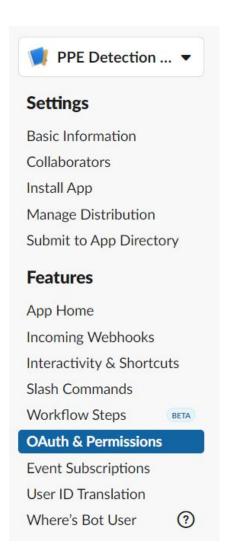
Go to https://api.slack.com/apps on a new tab and click on the 'Create an App' button as circled in the screenshot.



2. Name your app and select your Slack workspace (an existing one, or one that you have just created). After that, select 'Create App'.



3. After the app is created, you will need to create a permission scope. For that, click on the 'OAuth & Permissions' section of the dashboard as circled in the screenshot.



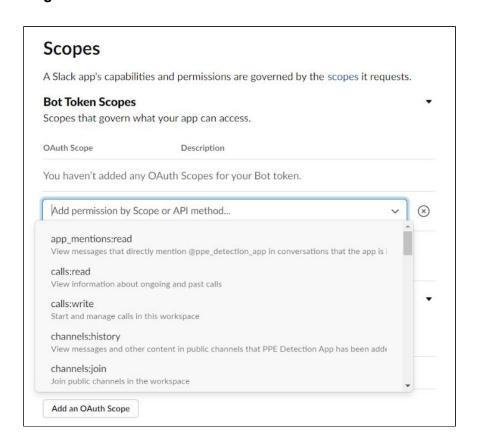
4. In the OAuth & Permissions section, scroll down to Scopes. Under 'Bot Token Scopes', select 'Add an OAuth Scope'.

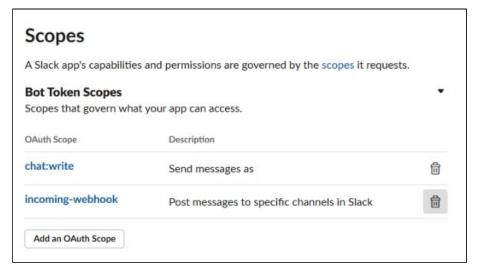
Scopes

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 You haven't added any OAuth Scopes for your Bot token. Add an OAuth Scope

- 5. A drop-down menu will appear. Select the following options:
 - chat:write
 - o Incoming-webhook





6. Scroll up and select 'Install App to Workspace'.

OAuth Tokens & Redirect URLs

These OAuth Tokens will be automatically generated when you finish connecting the app to your workspace. You'll use these tokens to authenticate your app.

Install App to Workspace

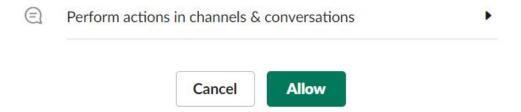
7. In this screen, select the channel where you want the bot to post the notifications in. After that, click 'Allow'.

This app was created by a member of your workspace, PPE Detection.

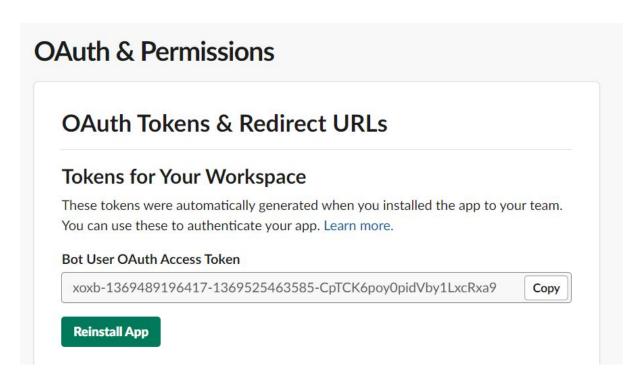
PPE Detection App is requesting permission to access the PPE Detection Slack workspace



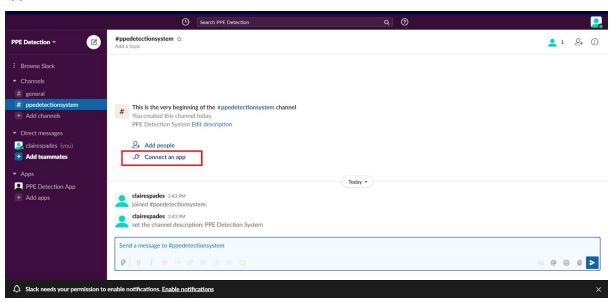
What will PPE Detection App be able to do?



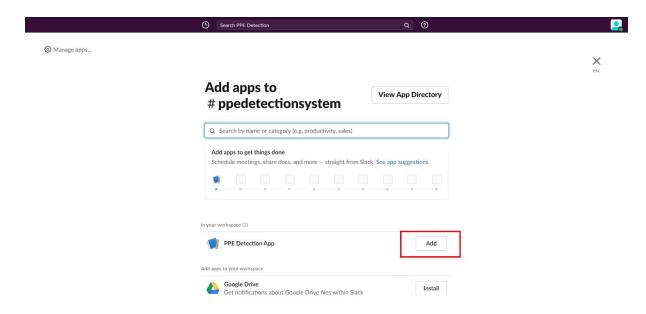
8. You will be redirected to the following page with the bot token (Save this bot token as it will be used later)



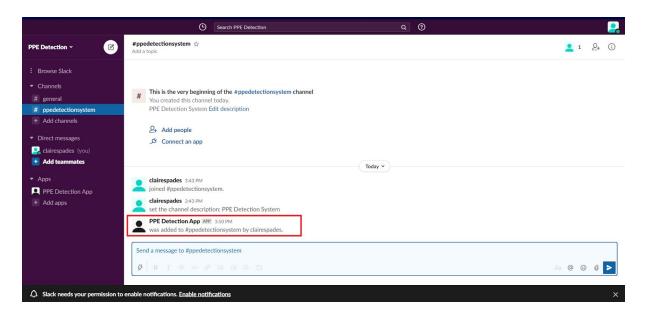
Return back to the slack workspace channel that you created and click 'Connect an app'



10. Add the bot to the channel by clicking on 'Add' at the bot in your workspace



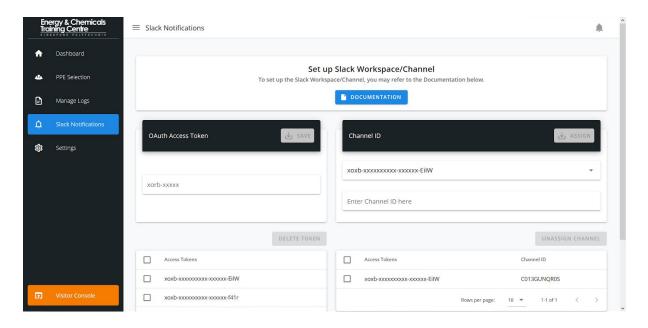
11. The following screen should appear to indicate that the bot has been added successfully to the channel.



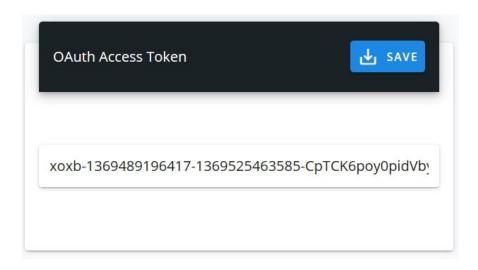
12. With this, you have completed the steps to create and link a Slack bot to your workspace.

3. Adding Slack OAuth Access Token using Safety Manager Dashboard

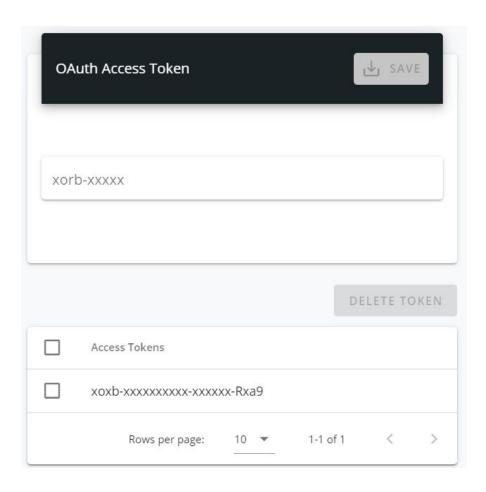
1. Load the Dashboard and click on 'Slack Notifications'.



2. Back in the **Safety Manager dashboard**, paste the OAuth Access Token you recorded from Section 2, step 8 and click 'Save'. A pop-up message will notify you if the operation was successful.



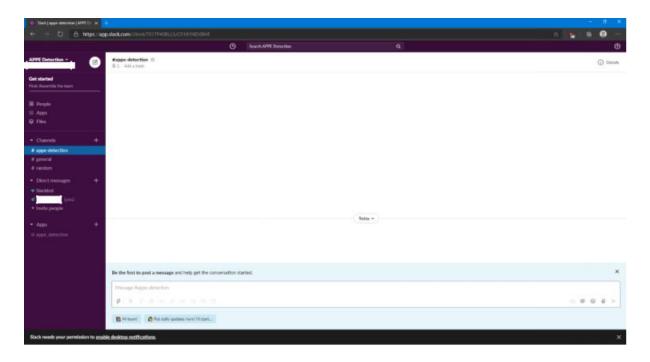
3. If the access token is successfully added, the access token will appear in the table below



4. With this, you have successfully added a Slack OAuth Access Token.

4. Assigning an access token to a channel ID

1. Go to your Slack workspace (an existing workspace or a new one) and select the channel that your bot has been linked to.



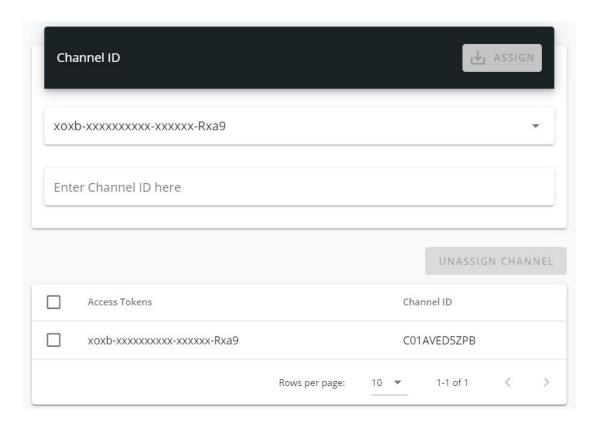
2. In the address bar, copy the string of text after the last backslash as shown in the red rectangle in the screenshot.



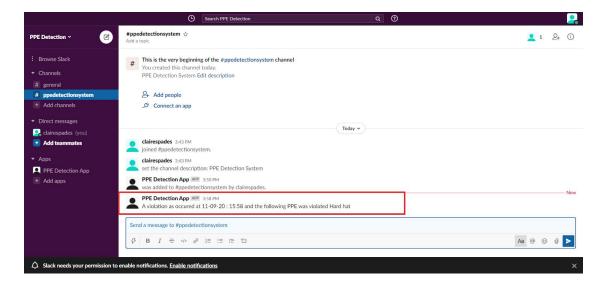
3. On the dashboard, use the dropdown menu to select the access token that you want to assign your Channel ID to. If there is only one access token added, it will be chosen by default. After that, click 'Assign'. A pop-up message will notify you if the operation was successful.



4. If the access token is successfully added, the access token will appear in the table below



5. Make sure the setup is successful, open the visitor app, test it with a non-compliant visitor. This message should appear in the channel by the bot you assigned



6. With this, you have successfully assigned a channel to a Slack OAuth Access Token (Slack bot).

-- End of Setup --

Troubleshooting

Message does not appear in the channel assigned

- Check the permissions you had assigned to the bot (Creating a bot for use with your Slack workspace, Step 6)
- Assigned the right access token to a channel at the Safety Manager App