

WATSON FOR HEALTHCARE

NUTRITIONIST SLACKBOT

POWERED BY
WATSON CONVERSATION AND DISCOVERY

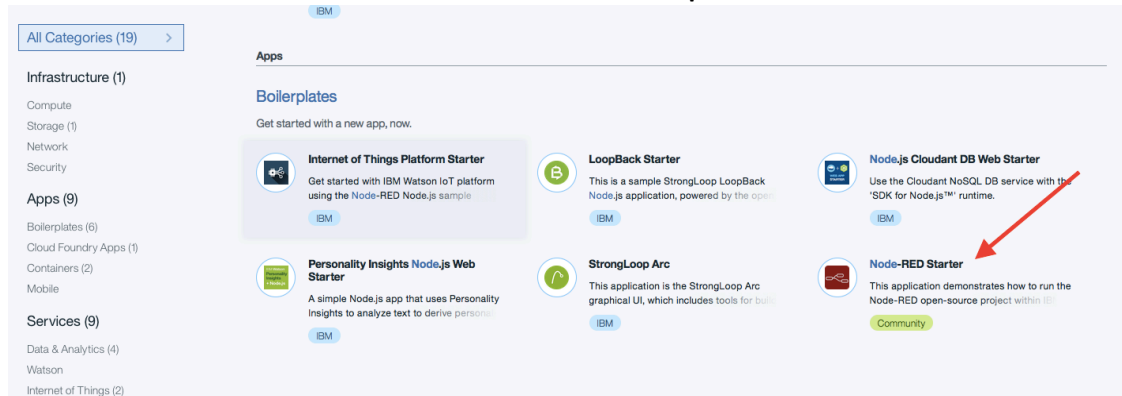
DO IT YOURSELF!

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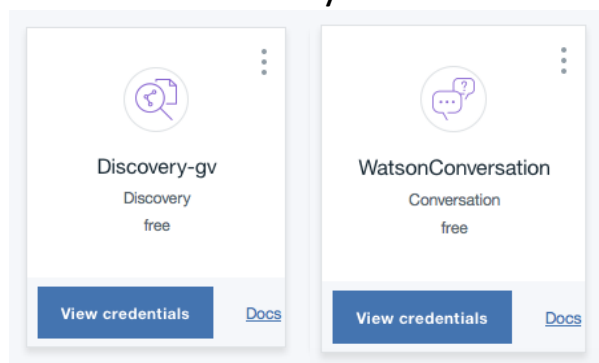
SETTING UP APP ON BLUEMIX

1. Select NODE-Red Starter from Boilerplates



2. Enter App name and CREATE SERVICE

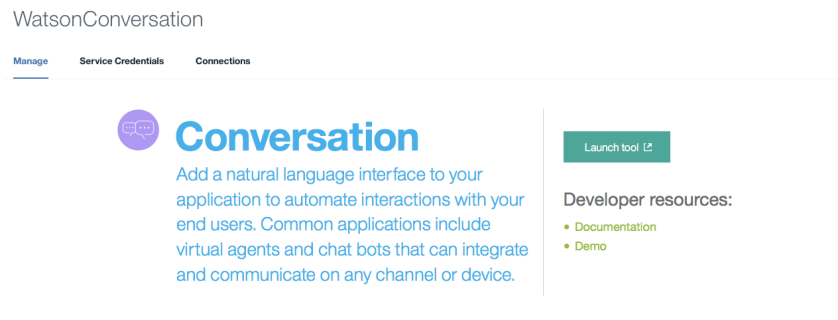
3. Bind Conversation & Discovery service to the Node-RED App



CREATE DISCOVERY SERVICE OUTSIDE THE APPLICATION AND THEN BIND IT TO APPLICATION, OTHERWISE IT WILL THROW ERROR 422

CONFIGURE WATSON CONVERSATION

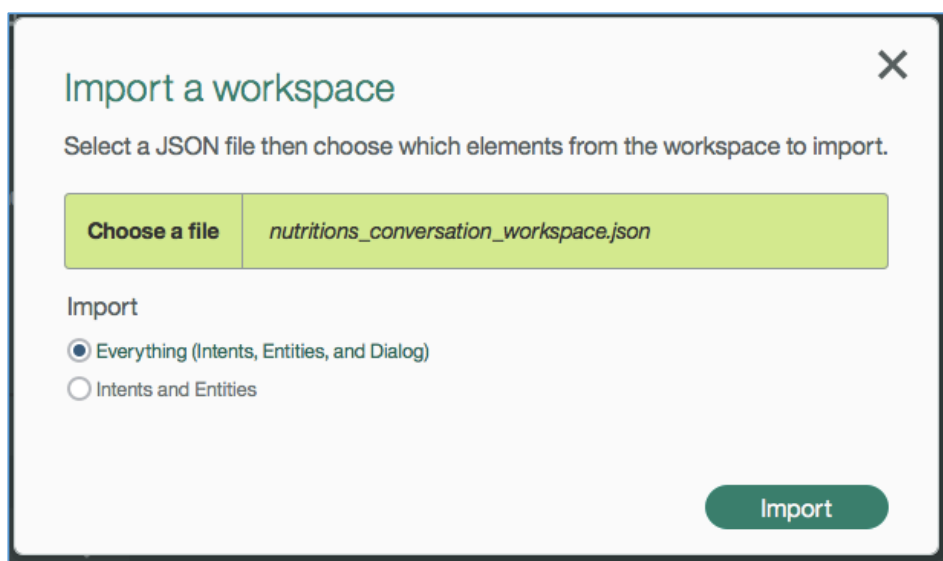
1. Click on Watson Conversation service and **Launch Tool**



2. In workspaces, click on  to import workspace

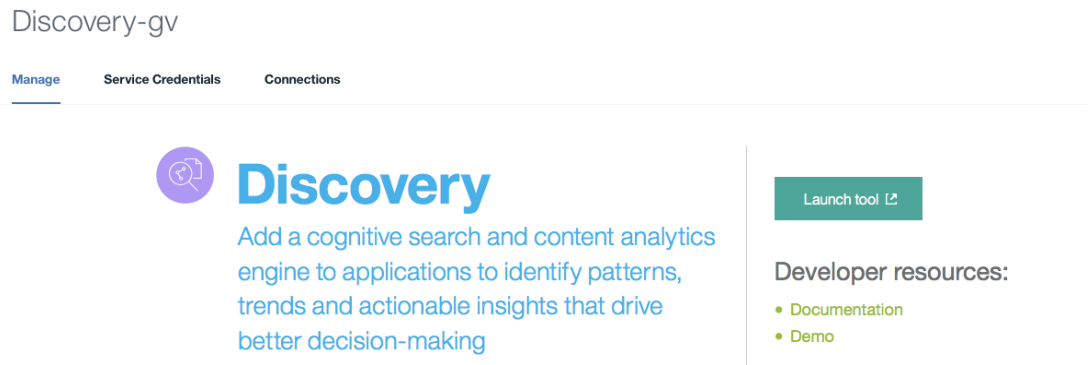


3. Choose file `nutritions_conversation_workspace.json` from [https://github.com/ECODIndia/Watson Healthcare Conversation/tree/master/Nutritions Slackbot discovery](https://github.com/ECODIndia/Watson_Healthcare_Conversation/tree/master/Nutritions_Slackbot_discovery) and Import **Everything** and Click **Import**

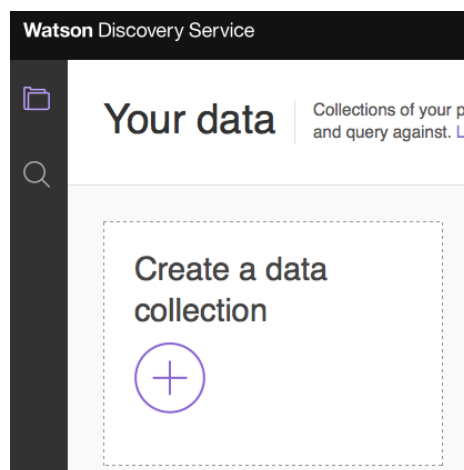


CONFIGURE WATSON DISCOVERY

1. Click on Watson Discovery service and **LAUNCH TOOL**



2. Click on **CREATE A DATA COLLECTION**



3. Enter Collection name and click on **CREATE**

Name your new collection

Collection name

Select a configuration to apply

Default Configuration

▼

Cancel

Create


4. Upload collections from

[https://github.com/ECODIndia/Watson_Healthcare_Conversation/tree/master/Nutrition Slackbot discovery/collection](https://github.com/ECODIndia/Watson_Healthcare_Conversation/tree/master/Nutrition%20Slackbot%20discovery/collection)

S

Take a note of collection_id and environment_id (required in later steps)

Your data > nutritional

[Query this collection](#) 


Collection status

Last updated	2/20/2017 1:08:27 am EST
Created	2/20/2017 1:08:27 am EST
Configuration	Default Configuration Switch

API information

collection_id	13ae6bf4-16bb-410e-b796-a9704d928f1a
configuration_id	178fc9c7-9f4f-48a4-b76e-14985883914e
environment_id	ae6cd218-ab2d-42da-9ed1-20e4f8d7d125

Add data to this collection



Drag and drop your documents here
or [browse from computer](#)

Maximum file size: 50MB
File format: PDF, WORD, HTML, and JSON

Documents available	0
Documents processing	0
Documents failed	0

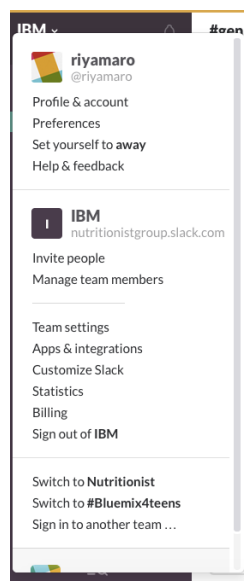
CONFIGURE SLACK

1. CREATE NEW TEAM IN SLACK

- Create a new team in slack <https://slack.com/create#email> by entering your Email ID.
- Enter 6-digit confirmation code that you have received in your Email ID.
- Create new username and password.
- Enter details about your team and company name.
- Choose the address you'll use to sign into Slack (Address has to be unique) and Click on **CREATE TEAM**.
- Review and agree the Terms and Conditions.
- If required, send invitations to your friends or skip it for now.
- Your team is set up! You can enter into your team with the address you had set. For Example: nutritionistgroup.slack.com

2. Configure Slash Command in Slack

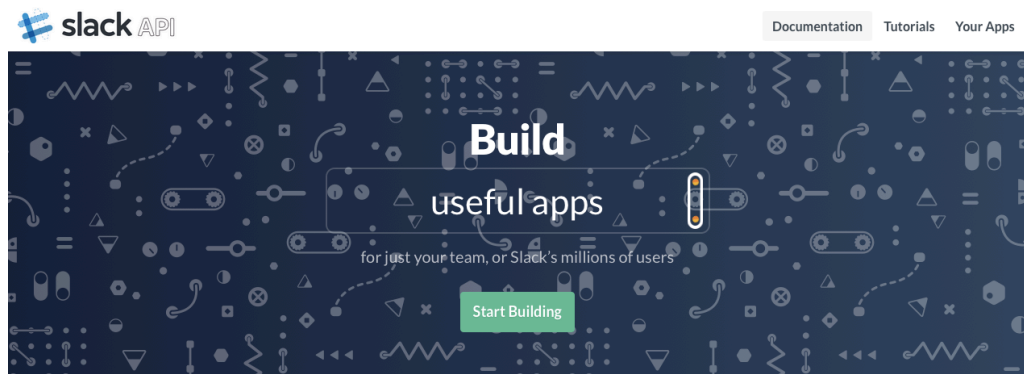
1. Goto your team, In the left side, click as shown below. In the drop down click on **Apps & Integrations**



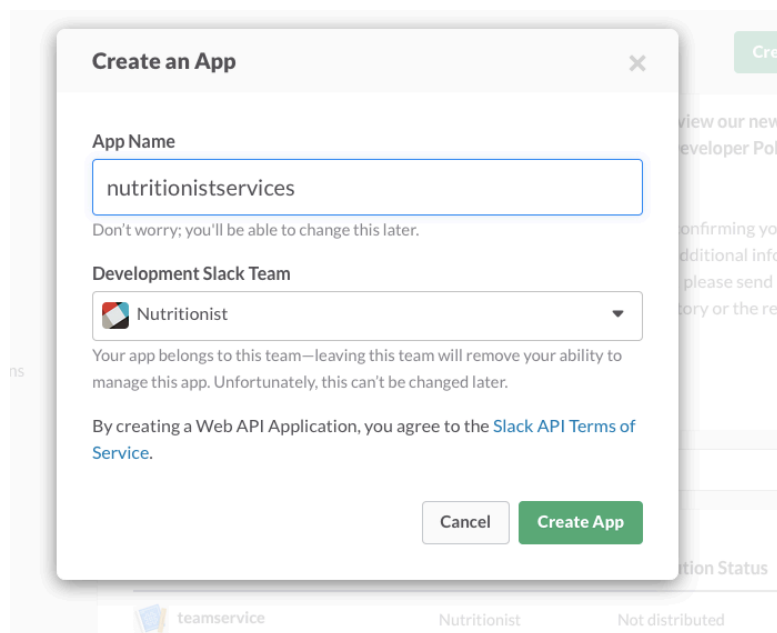
2. Click on **Build** (in the right side of page)



3. Click on **Start Building** button



4. Enter **App Name** and **Development Slack Team** and Click **Create App** button

The image shows a 'Create an App' dialog box. It has a title bar with a close button. The form contains two main sections: 'App Name' with a text input field containing 'nutritionistservices' and a note 'Don't worry; you'll be able to change this later.'; and 'Development Slack Team' with a dropdown menu showing 'Nutritionist' and a note 'Your app belongs to this team—leaving this team will remove your ability to manage this app. Unfortunately, this can't be changed later.' At the bottom, there is a link to 'Slack API Terms of Service' and two buttons: 'Cancel' and 'Create App'.

Create an App

App Name

nutritionistservices

Don't worry; you'll be able to change this later.

Development Slack Team

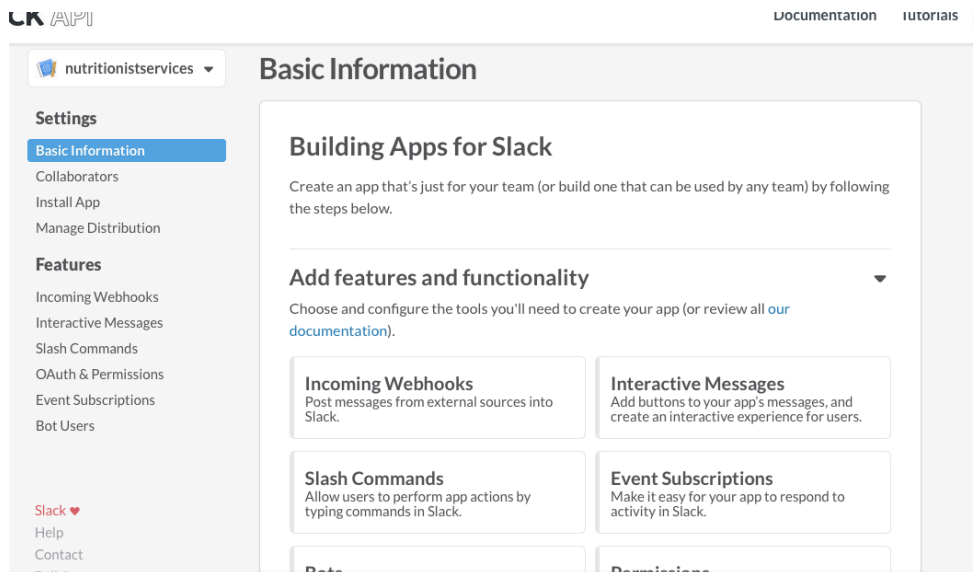
Nutritionist

Your app belongs to this team—leaving this team will remove your ability to manage this app. Unfortunately, this can't be changed later.

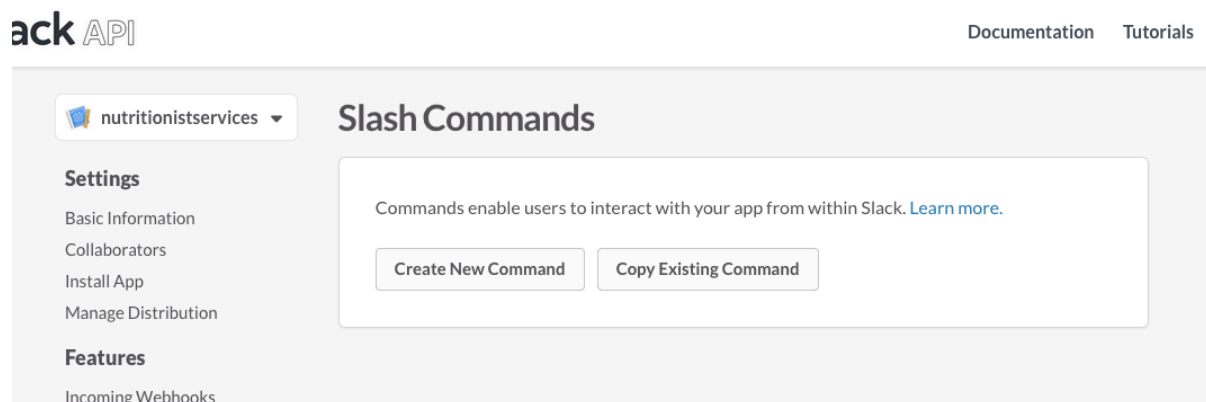
By creating a Web API Application, you agree to the [Slack API Terms of Service](#).

Cancel Create App

5. Click on **Slash Commands**



6. Click on **Create New Command** button



7. Enter **Command**: (Eg: /nutritionhelper),
Request URL: URL is your node-red URL with HTTP IN URL appended (Note down your request URL (For example /slack), have to be added in the Node-Red HTTP In node).
Short Description: Enter short description of what your slash command will do
Usage Hint: Enter usage hint (of how users should type their query) and Click on **SAVE** button.

Create New Command

×

Command

Request URL

Short Description

Usage Hint

Optionally list any parameters that can be passed.

Escape channels, users, and links sent to your app☐

Unescaped: @user #general

Preview of Autocomplete Entry

Commands matching "nutritionhelper"

Cancel

Save



8. You can now see your slash command in the list of Slash Commands

nutritionistservices

Settings
Basic Information
Collaborators
Install App
Manage Distribution
Features
Incoming Webhooks
Interactive Messages
Slash Commands
OAuth & Permissions
Event Subscriptions
Bot Users

Slash Commands

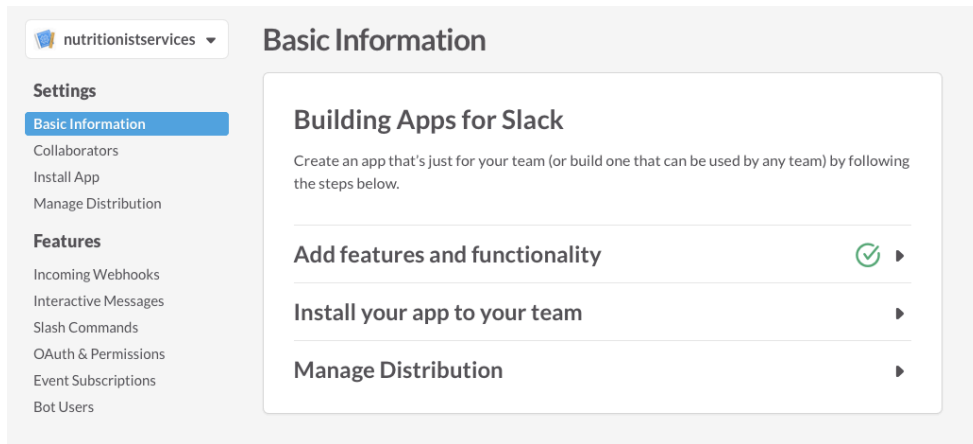
Commands enable users to interact with your app from within Slack. [Learn more.](#)

Name	Description	
/nutritionhelper	Recommendations on diet to follow	 

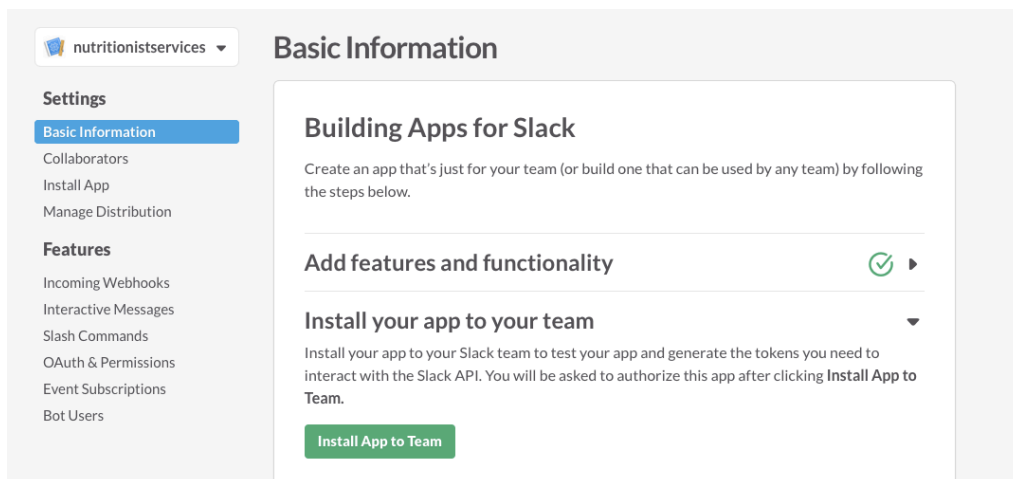
Create New Command

Copy Existing Command

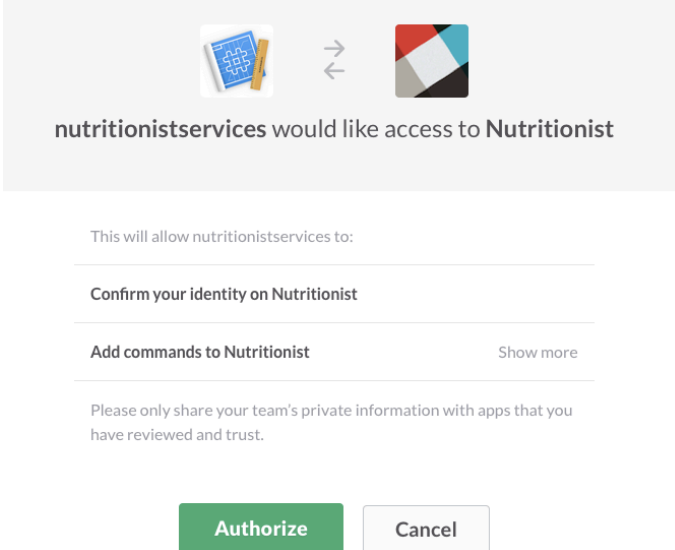
9. Go to **Basic Information** tab (in the left side)



10. Click on **Install your app to your team** and then click on button **Install App to Team**



11. Click on **Authorize** button



The image shows a Slack authorization interface. At the top, there are two icons: a blue square with a white grid and a yellow pencil, and a red and black square. Below them is the text "nutritionistservices would like access to Nutritionist". Underneath, it says "This will allow nutritionistservices to:". There are two sections: "Confirm your identity on Nutritionist" and "Add commands to Nutritionist" with a "Show more" link. At the bottom, there are two buttons: "Authorize" (green) and "Cancel" (grey).

nutritionistservices would like access to Nutritionist

This will allow nutritionistservices to:

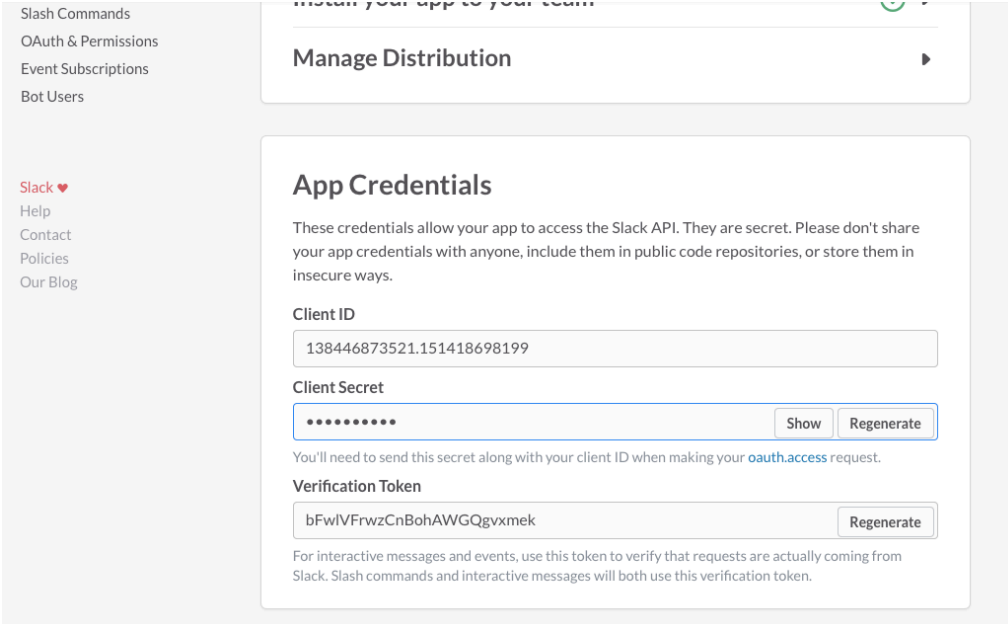
Confirm your identity on Nutritionist

Add commands to Nutritionist [Show more](#)

Please only share your team's private information with apps that you have reviewed and trust.

Authorize Cancel

12. Scroll down to find **App Credentials**. **TAKE NOTE OF VERIFICATION TOKEN (required in later steps)**



The image shows the Slack "App Credentials" page. On the left is a sidebar with links: "Slash Commands", "OAuth & Permissions", "Event Subscriptions", "Bot Users", "Slack", "Help", "Contact", "Policies", and "Our Blog". The main content area has a "Manage Distribution" section at the top. Below it is the "App Credentials" section. It contains a warning: "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." There are three fields: "Client ID" with the value "138446873521.151418698199", "Client Secret" with a masked value and "Show" and "Regenerate" buttons, and "Verification Token" with the value "bFwIVFrwzCnBohAWGQgyxmek" and a "Regenerate" button. A note at the bottom says: "For interactive messages and events, use this token to verify that requests are actually coming from Slack. Slash commands and interactive messages will both use this verification token."

Manage Distribution

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.

Client ID

138446873521.151418698199

Client Secret

..... **Show** **Regenerate**

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

Verification Token

bFwIVFrwzCnBohAWGQgyxmek **Regenerate**

For interactive messages and events, use this token to verify that requests are actually coming from Slack. Slash commands and interactive messages will both use this verification token.

13. Modify display information and click on SAVE button in the bottom.

Display Information

Information in this section will be shown to users in the App Directory, once your app is published.

Icon (512px by 512px or larger required)



Drag and drop a new image here to upload, or

[Browse](#)

Choose a high quality, distinctive icon that doesn't resemble Slackbot or the Slack icon.

App name

nutritionistservices

Your app's name shouldn't infringe on a trademark or copyright from any other products or services, including Slack. It shouldn't include direct references to Slack or Slackbot.

Short description

Type your short description here.

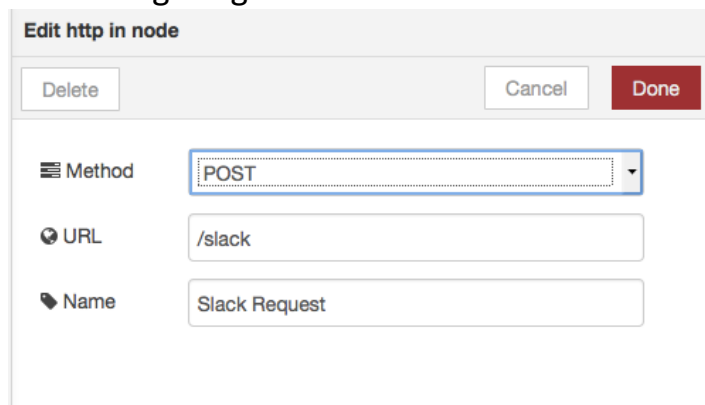
Explain clearly and concisely what your app does, in 10 words or fewer.

CONFIGURE NODERED

Import nodes from

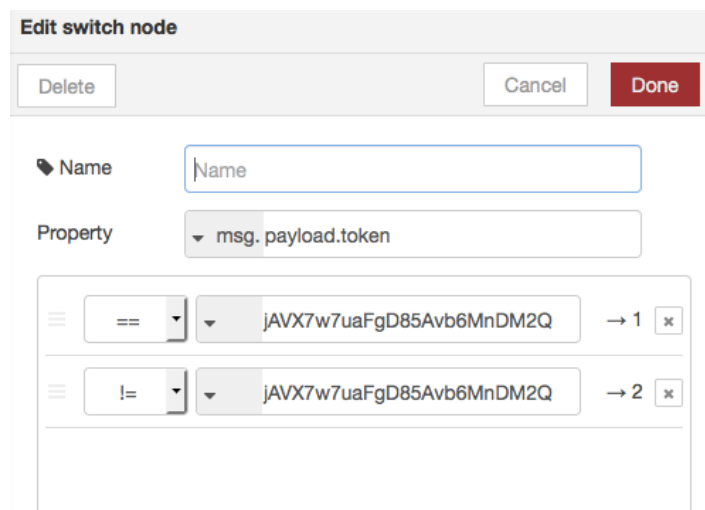
https://github.com/ECodIndia/Watson_Healthcare_Conversation/blob/master/Nutrition_Slackbot_discovery/conversation_nutritionist_nodered.txt into NODE-RED flow editor

1. In **Slack Request** Node, enter the same request URL that you had entered while configuring slash command with Method POST.



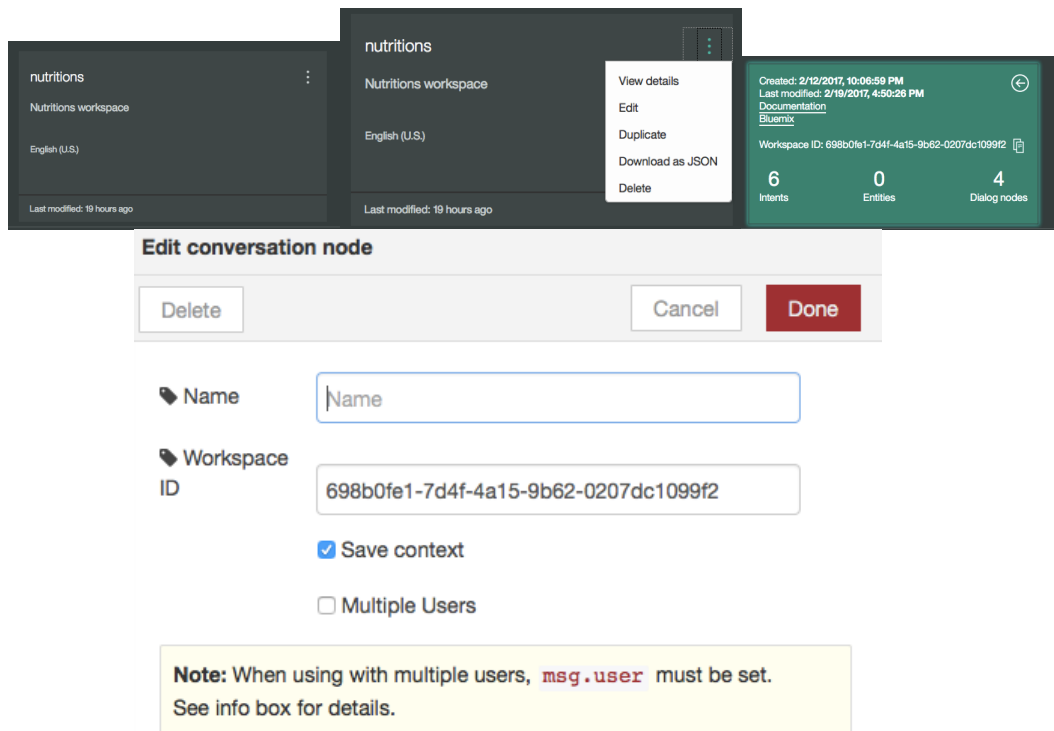
The screenshot shows the 'Edit http in node' dialog box. At the top, there are three buttons: 'Delete', 'Cancel', and 'Done'. Below these, there are three fields: 'Method' with a dropdown menu showing 'POST', 'URL' with a text input field containing '/slack', and 'Name' with a text input field containing 'Slack Request'.

2. In **switch** node, enter your token from Slash Command configuration (as noted in the earlier steps)



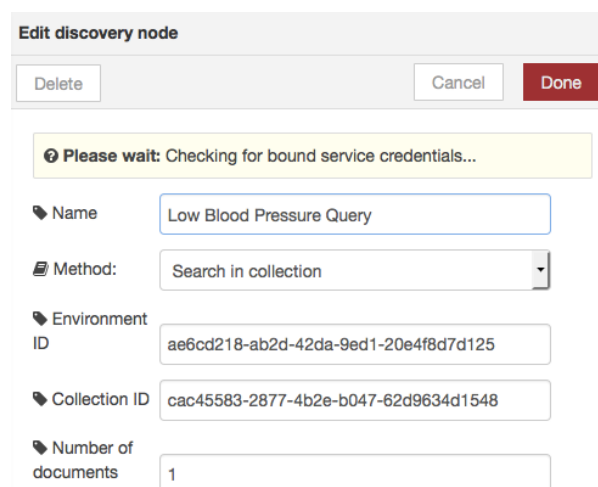
The screenshot shows the 'Edit switch node' dialog box. At the top, there are three buttons: 'Delete', 'Cancel', and 'Done'. Below these, there are two fields: 'Name' with a text input field containing 'Name', and 'Property' with a dropdown menu showing 'msg.payload.token'. Below these fields, there are two conditions listed: '==' and '!=' both with the value 'jAVX7w7uaFgD85Avb6MnDM2Q'. Each condition has a right arrow and a close button (x).

3. In conversation node, enter your conversation **Workspace ID**
(Shown in the Conversation tool in
Bluemix→Workspace→View Details)



The screenshot shows the Bluemix Conversation tool interface. At the top, there's a sidebar with a list of workspaces, including 'nutritions' and 'Nutritions workspace'. The main area displays details for the 'nutritions' workspace, including its name, language (English (U.S.)), and a list of actions: View details, Edit, Duplicate, Download as JSON, and Delete. A modal dialog titled 'Edit conversation node' is open in the foreground. It contains a 'Delete' button, 'Cancel', and 'Done' buttons. Below these are input fields for 'Name' and 'Workspace ID'. The 'Name' field is empty, and the 'Workspace ID' field contains the value '698b0fe1-7d4f-4a15-9b62-0207dc1099f2'. There are two checkboxes: 'Save context' (checked) and 'Multiple Users' (unchecked). A yellow note box at the bottom of the dialog states: 'Note: When using with multiple users, msg.user must be set. See info box for details.'

4. In Low Blood Pressure Query node, enter **Environment ID** & **Collection ID** which was noted in the earlier steps from the Discovery service while creating collection.



The screenshot shows the 'Edit discovery node' dialog box. It has a 'Delete' button, 'Cancel', and 'Done' buttons. Below these is a yellow status bar that says 'Please wait: Checking for bound service credentials...'. The dialog contains several input fields: 'Name' (Low Blood Pressure Query), 'Method' (Search in collection), 'Environment ID' (ae6cd218-ab2d-42da-9ed1-20e4f8d7d125), 'Collection ID' (cac45583-2877-4b2e-b047-62d9634d1548), and 'Number of documents' (1).

Likewise, enter same Environment ID & Collection ID in High Blood pressure, Low Blood Sugar Query & High blood sugar query node.

5. Click **DEPLOY** in NODE-RED and then go to Slack team. Open any Channels and then type `/<slash-command> Text`



6. You can see the response now!

