

Create API's For Communicating With Mobile App

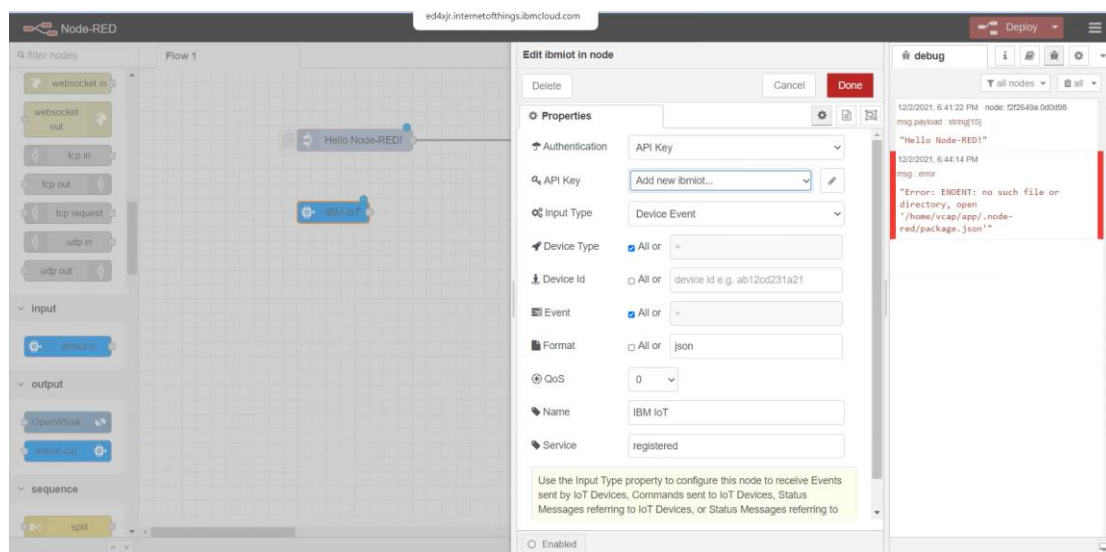
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Create HTTP API's for sending temperature and humidity values received from IoT device and receiving data from the mobile app.

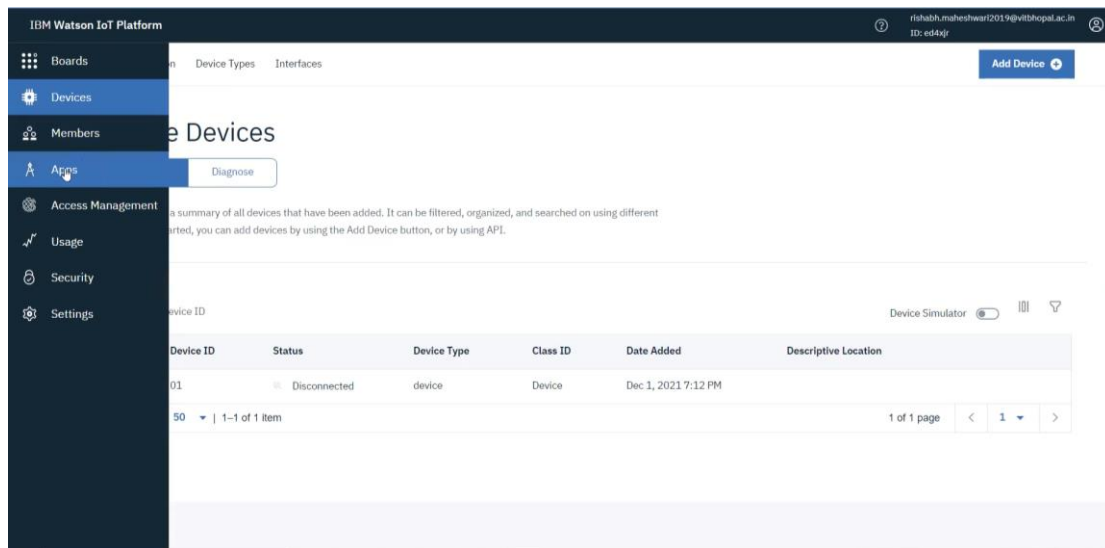
For creating API key to integrate and send data from Node-RED Application and IBM Watson IoT Platform the API keys will be created on IBM Watson IoT Platform.

Steps:

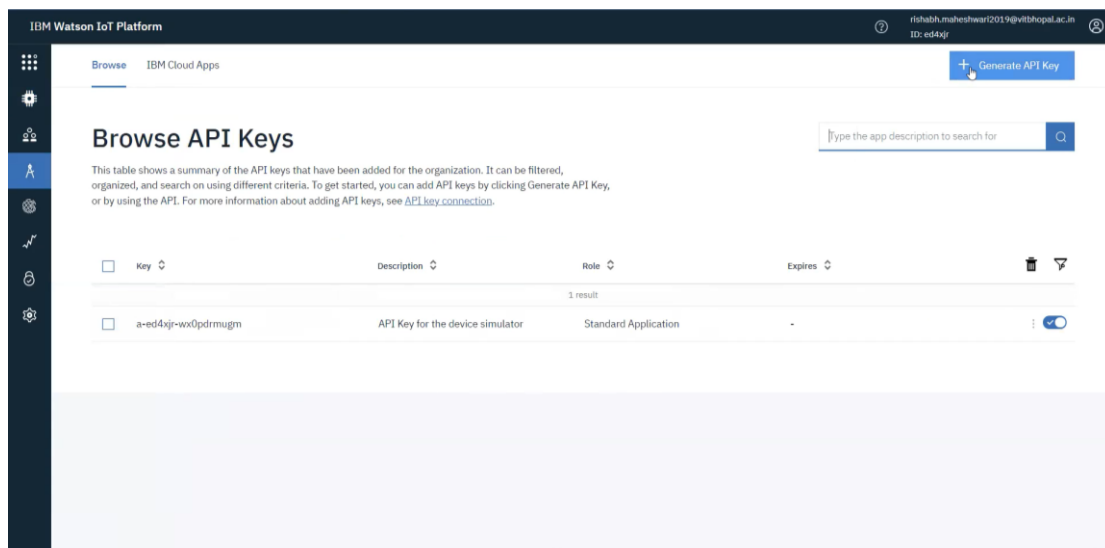
1. The API key will be required on the Node-RED Application which would be available on IBM Watson IoT Platform.



2. Open Apps on IBM Watson IoT Platform.



3. Click on Generate API Key to generate new API key.



4. Add description about the key(optional), then click on Next.

The screenshot shows the 'Generate API Key' dialog in the IBM Watson IoT Platform. The 'Information' tab is selected. It features a 'Description' text input field with a green checkmark icon on the right. Below it, the 'API Key Expires' section has a toggle switch set to 'On' and a 'Choose date' button with a calendar icon. At the bottom right of the dialog are 'Cancel' and 'Next' buttons. Below the dialog, the 'Browse API Keys' section includes a search bar and a table description.

Generate API Key

Information Permissions

Description

API Key Expires ☒ On

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

5. Specify the Role of the key. Here, it is Standard Application.

The screenshot shows the 'Generate API Key' dialog with the 'Permissions' tab selected. It displays 'The application will have access for the following role:' followed by a 'Role' dropdown menu set to 'Standard Application'. A link for more information about roles is provided. At the bottom right are 'Back' and 'Generate Key' buttons. Below the dialog, the 'Browse API Keys' section shows a table header with columns for Key, Description, Role, and Expires.

Generate API Key

Information Permissions

The application will have access for the following role:

Role

For more information about roles, see [User, application, and gateway roles](#).

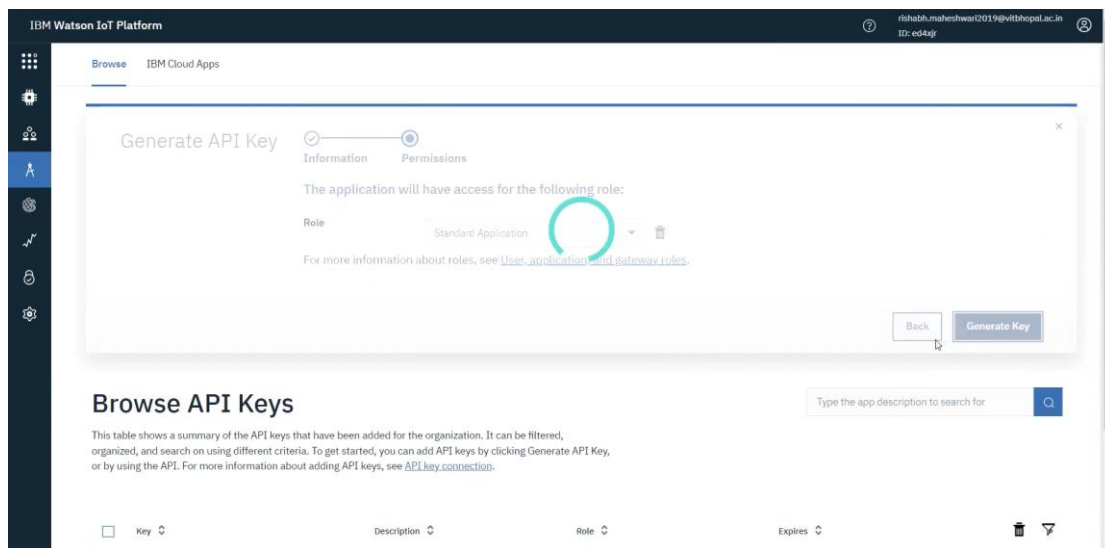
Browse API Keys

Type the app description to search for

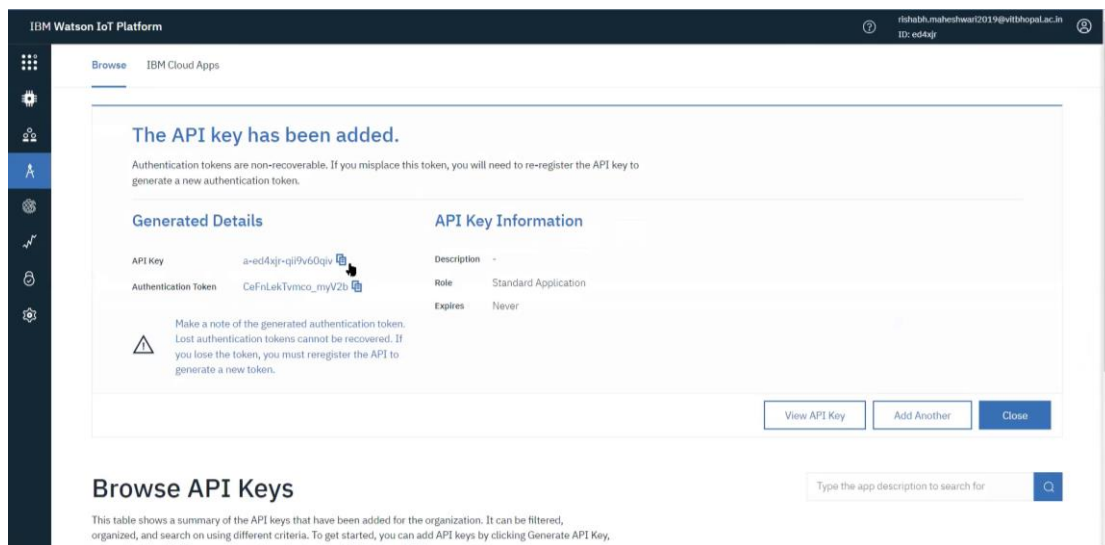
This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

Key	Description	Role	Expires
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6. Click on Generate Key button.



7. The API key details will then be available on the next loaded window. You can copy them for future references.



8. Now copy both the API Key and the token details in Node-RED Platform to get the data from both the Application and IoT device.

