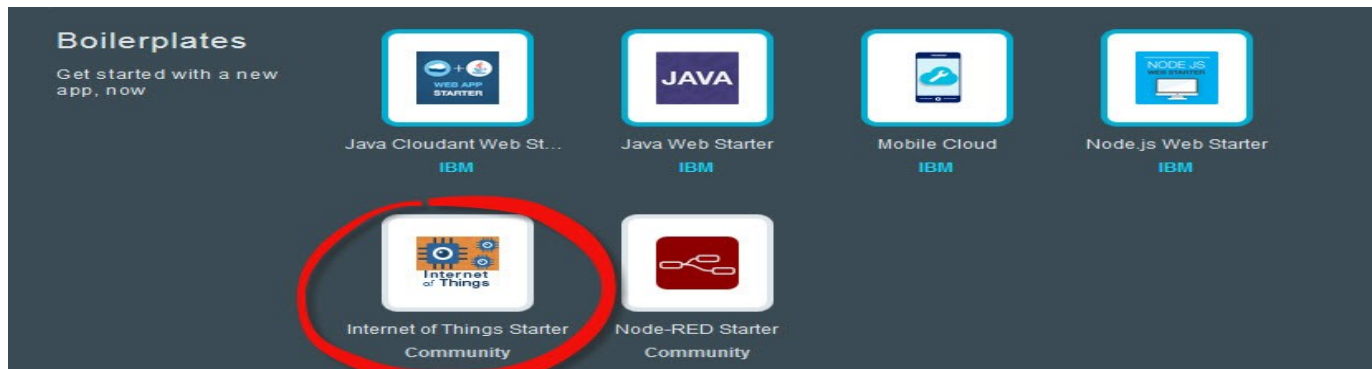


Create a Twitter to SMS Workflow

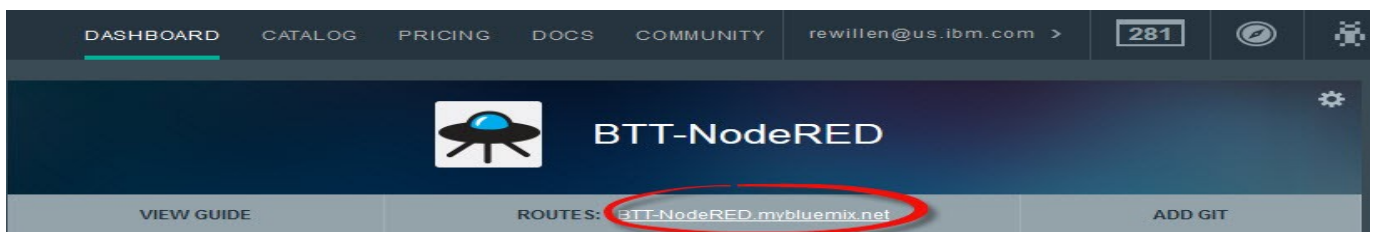
- 1 In your web browser, go to IBM Bluemix™ at <https://bluemix.net> and LOG IN.
- 2 Select the CATALOG view
- 3 Under Boilerplates, Select Internet of Things Starter



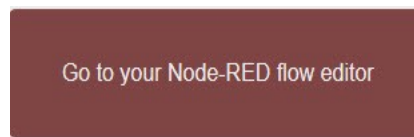
- 4 On the right-hand side, input a Name and Host for your application, and click CREATE.

A screenshot of the 'Create an app' form in IBM Bluemix. The form contains the following fields: 'Name' with the value 'BTT-NodeRED', 'Host' with the value 'BTT-NodeRED', 'Domain' with the value 'mybluemix.net', and 'Selected Plans' with 'SDK for Node.js™' set to 'Default' and 'cloudantNoSQLDB' set to 'Shared'. A green 'CREATE' button is at the bottom.

- 5 Your view switches to the IBM Bluemix dashboard and your newly-created application. Wait a minute or two for your application to start.
- 6 On the DASHBOARD, look for ROUTES: Your URL, and click the URL link



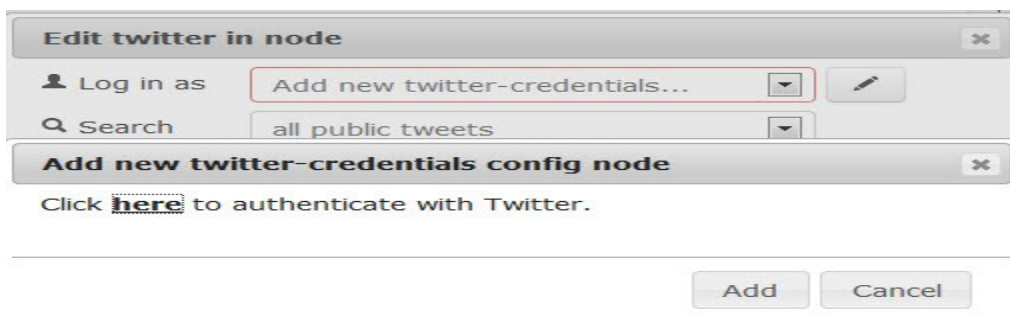
- 7 A new browser tab is opened for your application. On the new tab (Node-RED in Bluemix), scroll down and click the [Go to your Node-RED flow editor](#) button



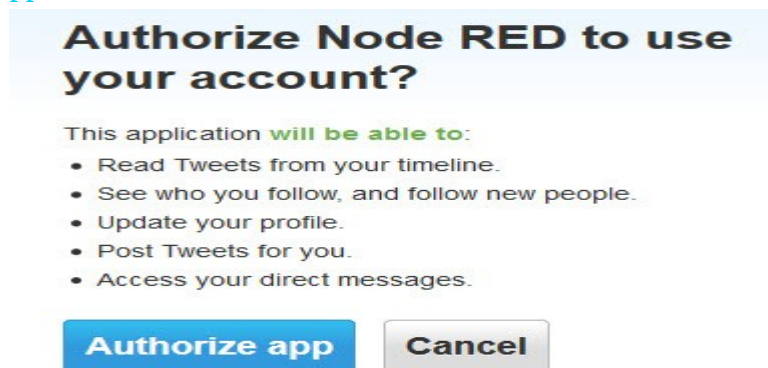
- 8 Scroll through the left palette and find the [social](#) section, drag an instance of the [twitter](#) input node to the canvas.



- 9 Double-click on the twitter node to bring up the [Edit twitter in node](#) panel
- 10 Click the [pencil](#) icon next to Log in as Add new twitter credentials
- 11 Click the [here](#) to authenticate with Twitter



- 12 Click [Authorize app](#) button



13 Enter your **Twitter ID** and click **Add**

14 Use the pulldown in the **Search** field to select between the different options. Enter the Twitter hash or user tags to search for in the **for** field. For example #coderdojo. Enter a **Name** for the node in the flow (the Name is optional - by default, the name will be set to the value of the search criteria). Click **OK** and you are returned to the palette.

15 Scroll through the left palette and find the **output** section, drag an instance of the **debug** node to the canvas.

16 Use your mouse to connect your Twitter node to the debug node. The debug node will help you to see if the tweets are being filtered the way you want them.

17 Click the **Deploy** button

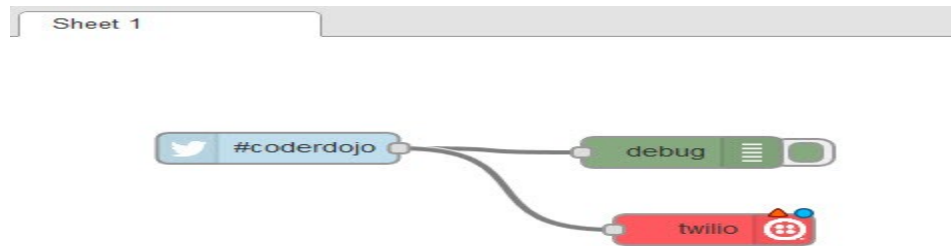


18 On the right side, click the **debug** tab. Tweets should start showing up!



19 In the Flow Editor, scroll through the left palette and find the **output** section, drag an instance of the **twilio** node to the canvas.

20 Use your mouse to connect the twitter node to the twilio node.



21 Double click on the twilio node. Click the **pencil** icon to bring up **Add new twilio-api config node**. To complete this panel, you will need information from your Twilio account. Cut and paste **Account SID** and **Token** from your Twilio account. Enter your Twilio number in the **From** field. Provide a Name for the configuration, and click **Add**.

22 Complete the **Edit twilio out node** panel by adding the cell phone number you want the tweets sent to in the **SMS to** box, and the **Name** for your node in the flow and click **Ok**.

23 Click the **Deploy** button

24 Check your phone for messages. If you don't receive messages, be sure to check the debug panel for error messages. Congratulations, you are now ready to add logic into the flow or start working with Internet of Things devices!