

Personality Insights in Node-RED

Hands-On Lab

JeanCarl Bisson | jbisson@us.ibm.com | [@dothewww](#)



Analyze Barack Obama's personality using text from 2012 Debate
(see *Add Personality Insights in Node-RED*)



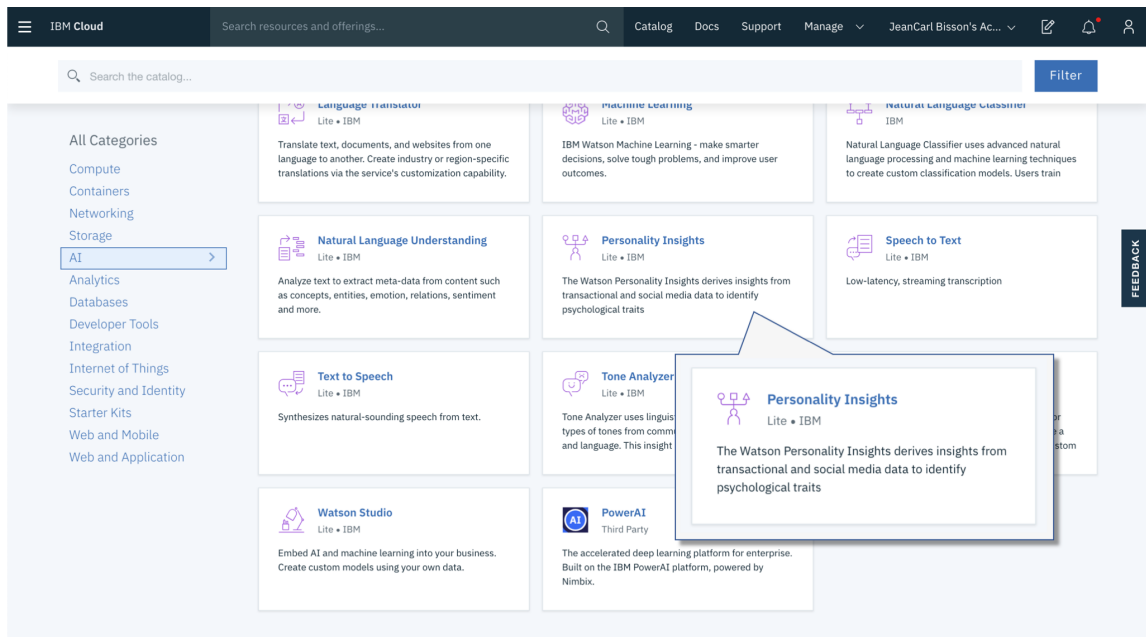
A digital copy of this lab and code snippets can be found at:
<http://ibm.biz/node-red-personality-insights>



Add Personality Insights in Node-RED

The IBM Watson Personality Insights service uses linguistic analytics to infer cognitive and social characteristics, including Big Five, Values, and Needs, from communications that the user makes available, such as email, text messages, tweets, forum posts, and more. In this tutorial, we'll use the Personality Insights node with the same data as for the demo (<https://personality-insights-demo.ng.bluemix.net/>) and to show the JSON object and its values match those of the demo. From there, you can include these results in your applications.

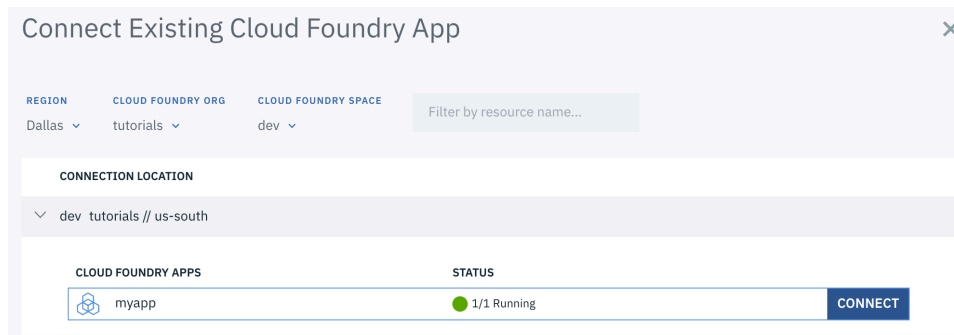
1. Click on the **Catalog** link at the top of the IBM Cloud Dashboard. Under the AI section, click on the **Personality Insights** tile.



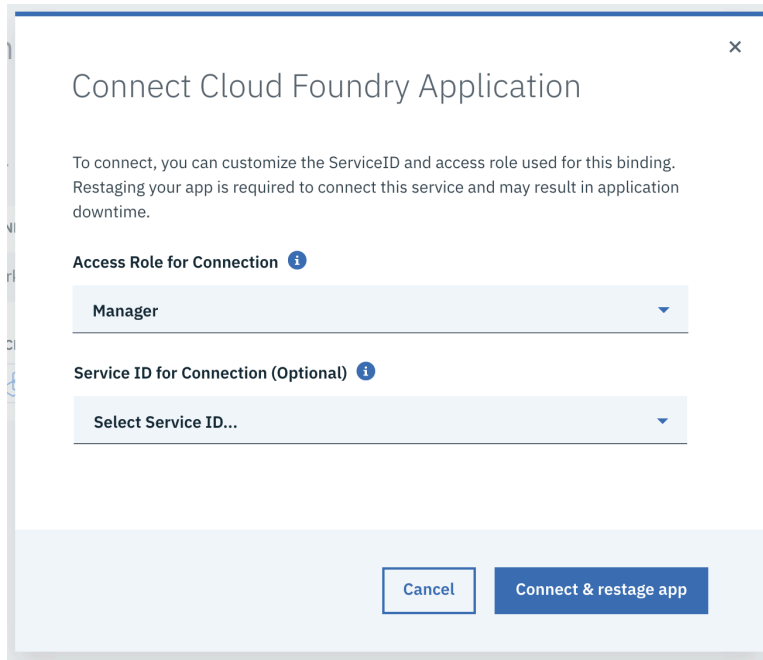
2. You can optionally give the service a custom name or leave it as the one given. Click **Create**.
3. Click on **Connections** in the menu on the left.
4. Click **Create connection** on the right.

Create connection +

5. Click **Connect** next to the Node-RED application you created earlier.

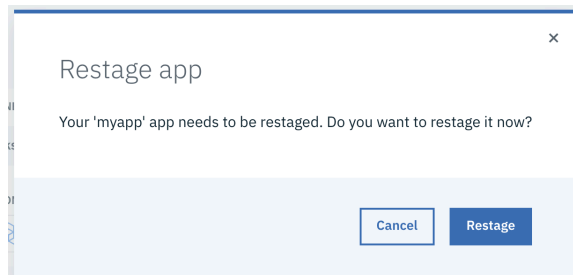


6. IBM Cloud will prompt to configure access role for the new connection and service ID. Click **Connect & restage app**.




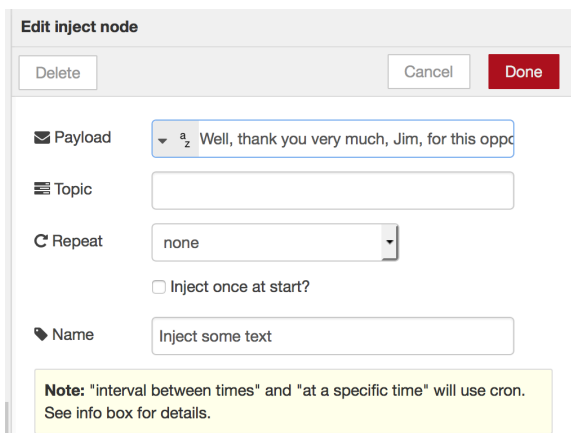
The dialog box is titled "Connect Cloud Foundry Application". It contains a close button (X) in the top right corner. Below the title, there is a paragraph: "To connect, you can customize the ServiceID and access role used for this binding. Restaging your app is required to connect this service and may result in application downtime." Below this, there are two sections. The first is "Access Role for Connection" with an information icon (i) and a dropdown menu currently showing "Manager". The second is "Service ID for Connection (Optional)" with an information icon (i) and a dropdown menu currently showing "Select Service ID...". At the bottom, there are two buttons: "Cancel" and "Connect & restage app".

7. IBM Cloud will prompt to restage the application. Click on **Restage**. The application will restart and include the new service credentials in the environment.



The dialog box is titled "Restage app". It contains a close button (X) in the top right corner. Below the title, there is a paragraph: "Your 'myapp' app needs to be restaged. Do you want to restage it now?". At the bottom, there are two buttons: "Cancel" and "Restage".


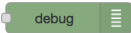
8. When the application has finished restaging, open the Node-RED Flow Editor. If you already have Node-RED open, refresh the page.
9. Add a  **inject** node as shown below. Double-click on the node and change **Payload** dropdown menu to **az**. Go to sample file and open the file and paste the text into the Payload field (this is the same text that is used in the demo).

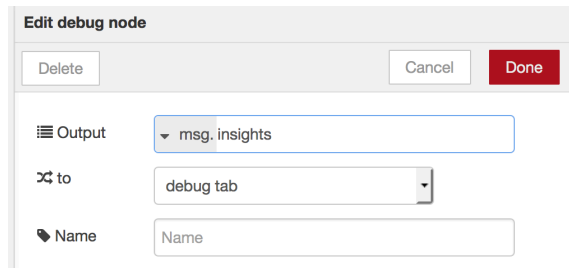


The dialog box is titled "Edit inject node". It has a "Delete" button on the left, and "Cancel" and "Done" buttons on the right. The "Payload" field has a dropdown menu with "a_z" selected, and the text "Well, thank you very much, Jim, for this oppo" is visible. The "Topic" field is empty. The "Repeat" dropdown menu is set to "none". There is an unchecked checkbox for "Inject once at start?". The "Name" field contains the text "Inject some text". At the bottom, there is a yellow note box that says: "Note: 'interval between times' and 'at a specific time' will use cron. See info box for details."

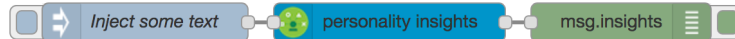



Get the text:
[ibm.biz/ Bd4mTR](https://ibm.biz/Bd4mTR)

10. Add a  node. This node will automatically pick up the IBM Watson service credentials.
11. Add a  node. Double-click the debug node and change **payload** to **insights**.



12. Connect the nodes together as shown below:



13. Click on  to save and deploy the changes.
14. Click on the left tab of the inject node to start the flow. The debug tab on the right-hand pane will display the results of Personality Insights.

