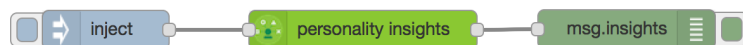


Personality Insights in Node-RED

Hands-On Lab

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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>

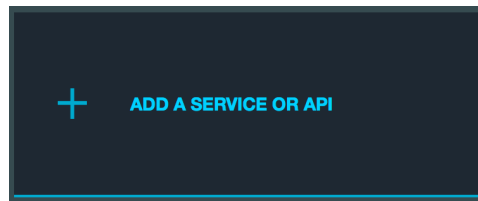


Add Personality Insights in Node-RED

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.

The objective is to send the Personality Insights node the same data as for the demo (<https://watson-pi-demo.mybluemix.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.

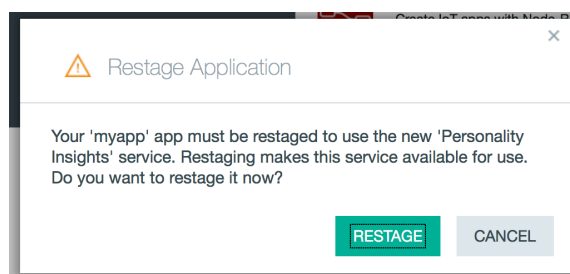
1. Go to the application overview for your Node-RED application in the Bluemix dashboard and click **Add a service or API**.




2. Click the **Personality Insights** node under Watson section.

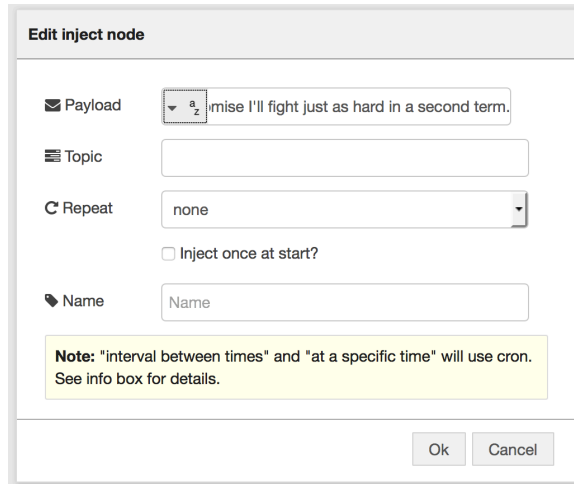


3. IBM Bluemix will prompt to restage the application. Click on **Restage**. The application will restart and include the new service credentials in the environment.



4. When the application has finished restaging, open the Node-RED Flow Editor. If you already have Node-RED open, refresh the page.

5. Add a  node as shown below. Double-click on the node and change **Payload** to **string**. 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 'Edit inject node' dialog box shows the following fields:



- Payload:** A dropdown menu with 'a-z' selected, and a text input field containing 'I promise I'll fight just as hard in a second term.'
- Topic:** An empty text input field.
- Repeat:** A dropdown menu with 'none' selected.
- ☐ Inject once at start?
- Name:** A text input field with 'Name' as the placeholder.

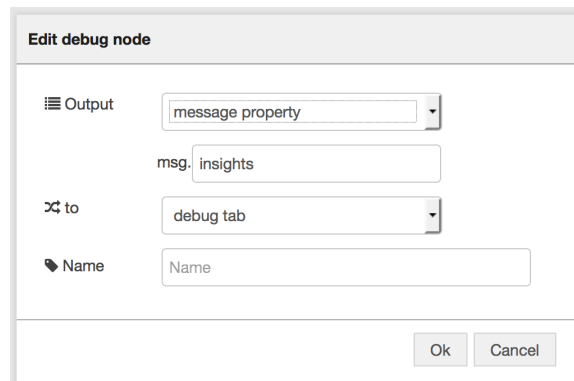
A yellow note box at the bottom states: "Note: 'interval between times' and 'at a specific time' will use cron. See info box for details."

Buttons: Ok, Cancel



Get the text:
ibm.biz/Bd4mTR

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

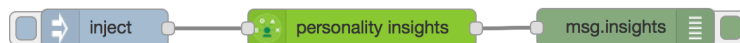


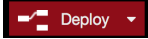
The 'Edit debug node' dialog box shows the following fields:

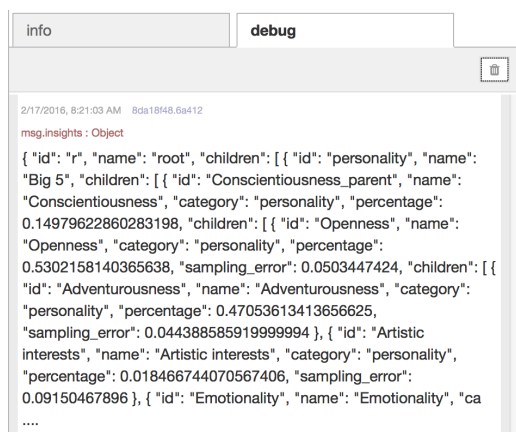
- Output:** A dropdown menu with 'message property' selected.
- msg. insights:** A text input field.
- to:** A dropdown menu with 'debug tab' selected.
- Name:** A text input field with 'Name' as the placeholder.

Buttons: Ok, Cancel

8. Connect the nodes together as shown below:



9. Click on  to save and deploy the changes.
10. 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.



The debug console shows the following output:

```
2/17/2016, 8:21:03 AM 8da18f48.6a412
msg.insights : Object
{
  "id": "r", "name": "root", "children": [
    {
      "id": "personality", "name": "Big 5", "children": [
        {
          "id": "Conscientiousness_parent", "name": "Conscientiousness", "category": "personality", "percentage": 0.14979622860283198, "children": [
            {
              "id": "Openness", "name": "Openness", "category": "personality", "percentage": 0.5302158140365638, "sampling_error": 0.0503447424, "children": [
                {
                  "id": "Adventurousness", "name": "Adventurousness", "category": "personality", "percentage": 0.47053613413656625, "sampling_error": 0.044388585919999994, "children": [
                    {
                      "id": "Artistic interests", "name": "Artistic interests", "category": "personality", "percentage": 0.018466744070567406, "sampling_error": 0.09150467896, "id": "Emotionality", "name": "Emotionality", "ca
                    ]
                  ]
                ]
              ]
            ]
          ]
        ]
      ]
    ]
  ]
}
```