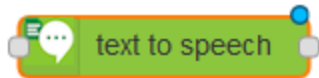


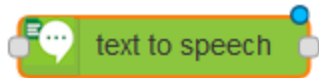
Lab 2 – Watson Speech 2 Text

1 Overview

The Watson text-To-Speech (TTS) service produces an audio file from literal text. The spoken text can be emitted with a choice of voices and languages.

2 Which Node-RED node gets used here

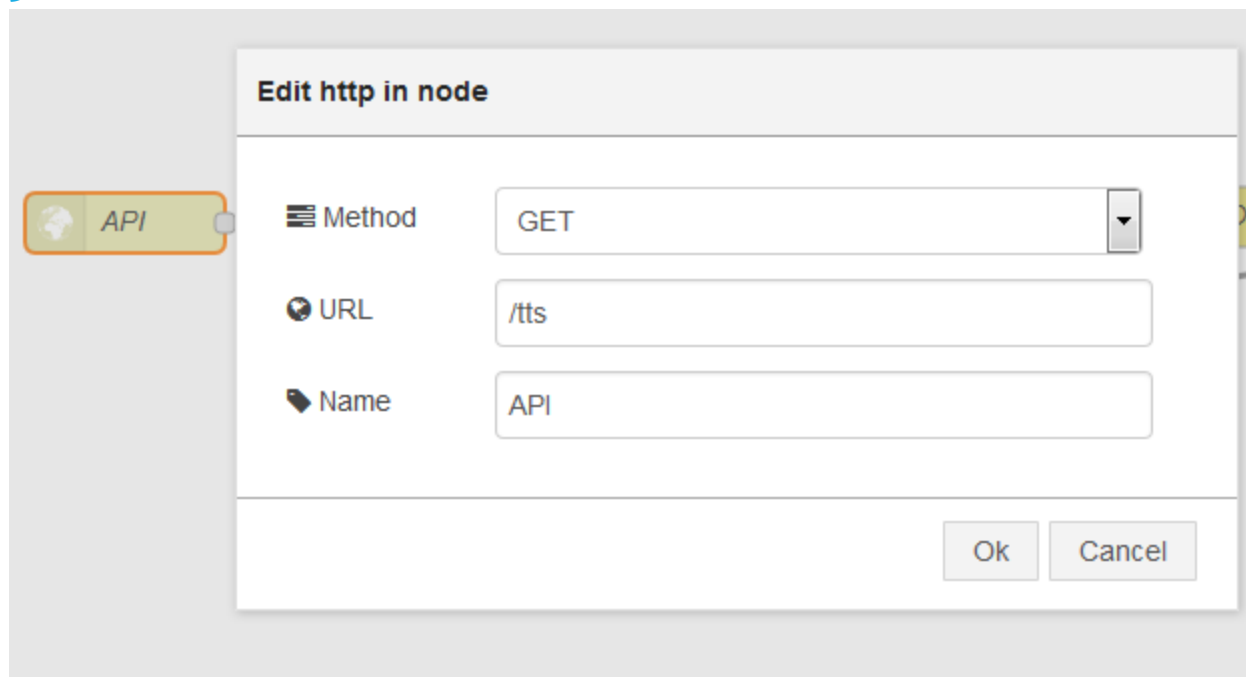


The Node-RED  node provides a very easy wrapper node that takes an text and converts it to speech.

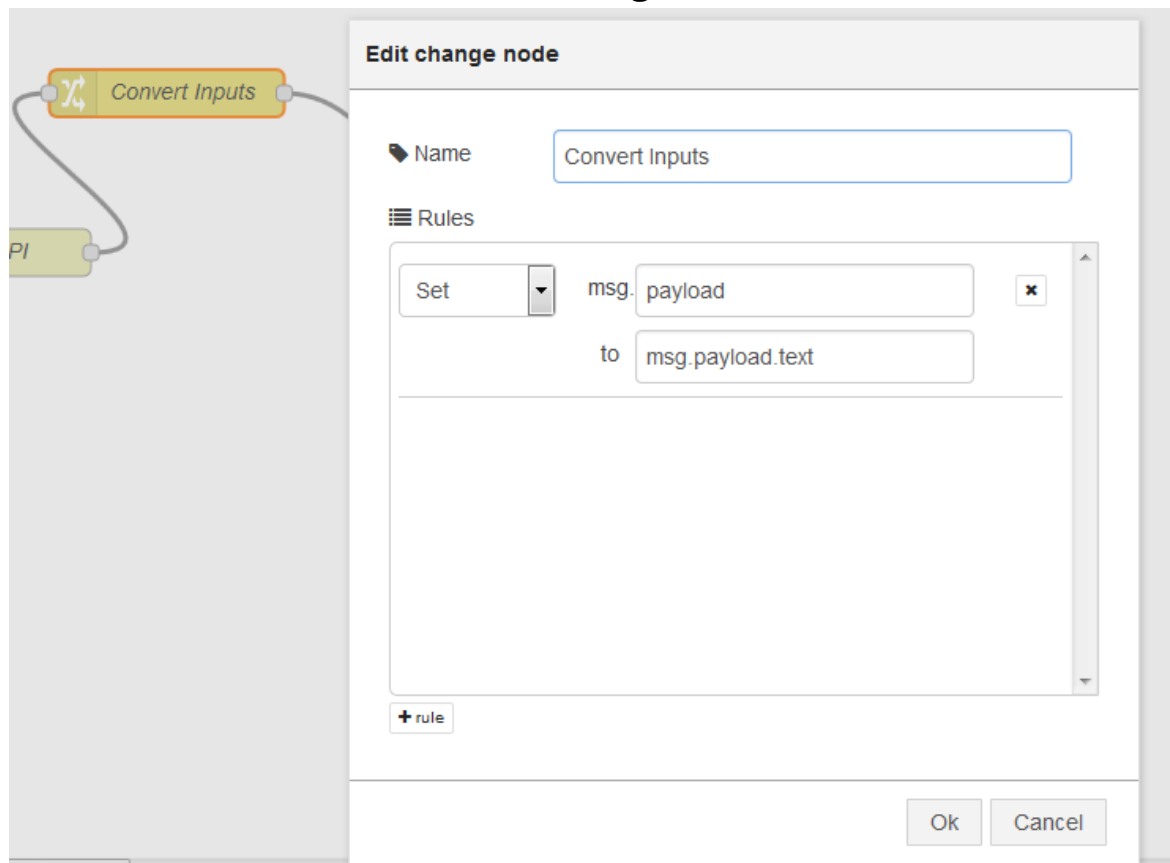
3 Steps to Create

There are 6 steps to create the whole flow.

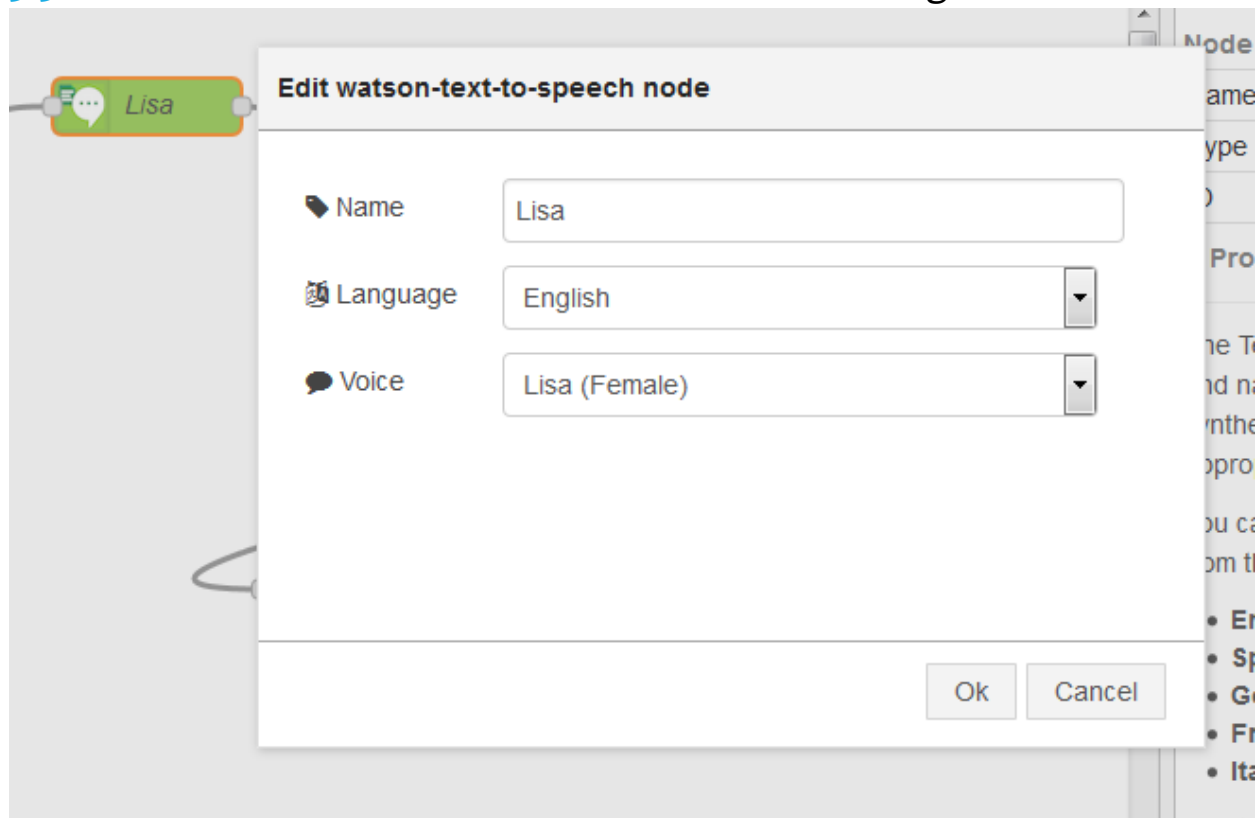
3.1 Add a HTTP node



3.2 Add a CHANGE node and configure as below



3.3 Add a Watson TEXT-TO-SPEECH node and configure as below



3.4 Add a CHANGE node to convert variables

The screenshot shows a workflow on the left with a yellow node labeled 'outs' connected to a green node labeled 'Lisa'. Below 'outs' is an orange node labeled 'Convert Output'. A line connects 'outs' to 'Convert Output'. The 'Edit change node' dialog is open on the right. It has a title bar 'Edit change node'. Inside, there is a 'Name' field with the text 'Convert Output'. Below it is a 'Rules' section with a list icon. The first rule is 'Set' (selected from a dropdown) with 'msg.payload' in the 'from' field and 'msg.speech' in the 'to' field. There is a '+ rule' button at the bottom left of the rules list. At the bottom right of the dialog are 'Ok' and 'Cancel' buttons.

Edit change node

Name: Convert Output

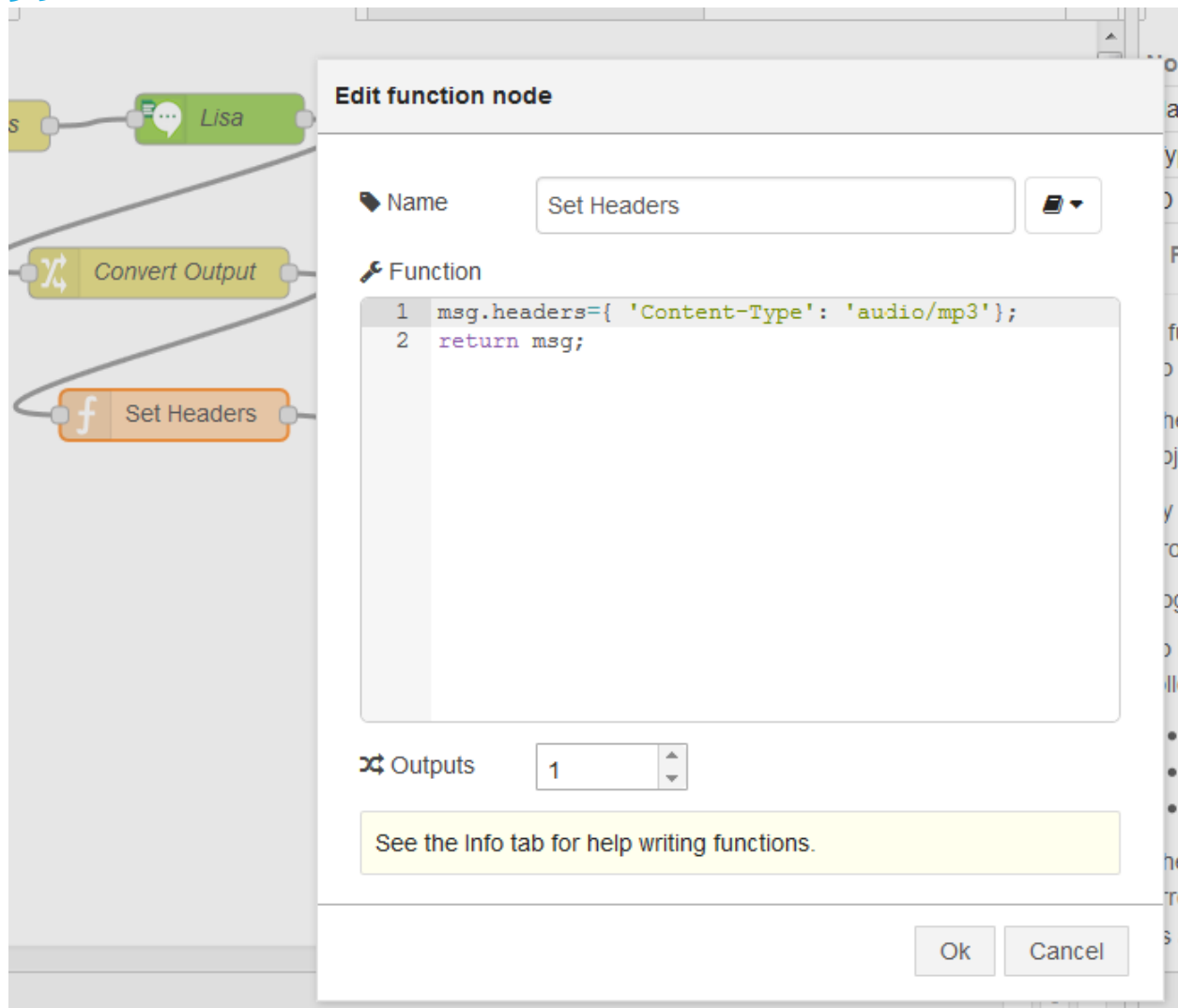
Rules:

- Set msg.payload to msg.speech

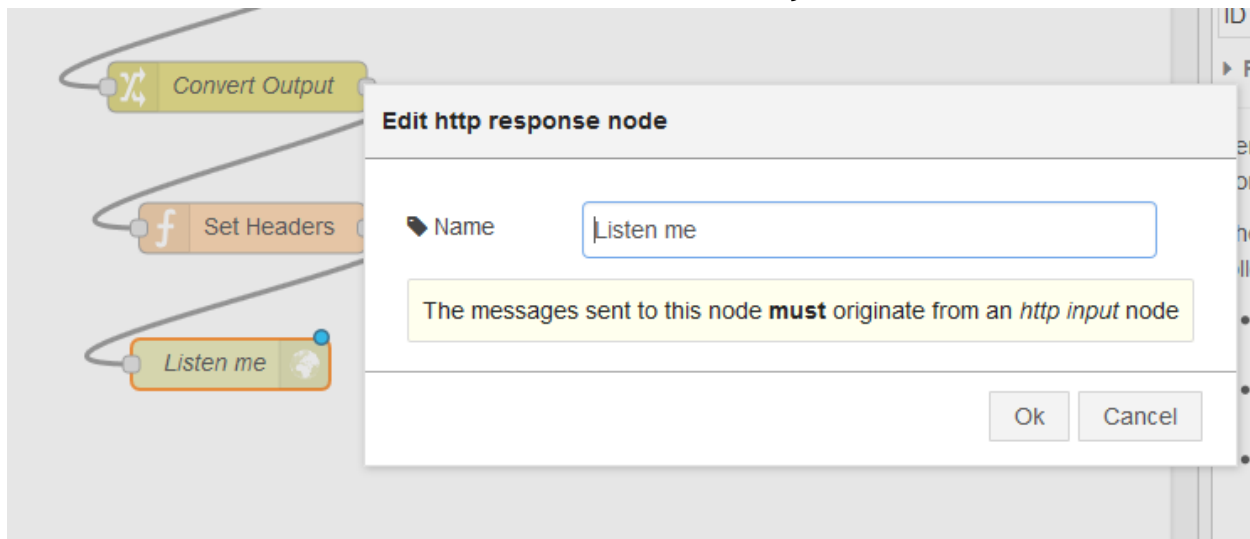
+ rule

Ok Cancel

3.5 Add a FUNCTION node and set headers

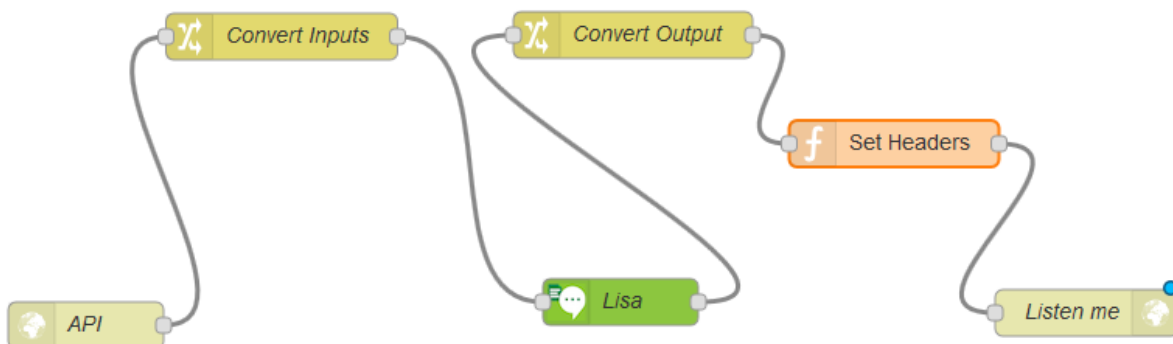


3.6 Add a HTTP RESPONSE node and modify its name



4 Steps to see Output

4.1 Verify that flow looks as below



4.2 Deploy this flow using the button

- 4.3 See the output using the app url <Your App Name>.mybluemix.net/tts

5 Learn more

- 5.1 Follow me @ShubhPrevails to get instant access to all the free Bluemix and Watson events and sessions in Bangalore.
- 5.2 Join my meetup group <http://www.meetup.com/thebluemix/>
- 5.3 Watch my github repo for Watson and Alchemy Code and recipes: - <https://github.com/ShubhradeepNandi/WatsonLabs>