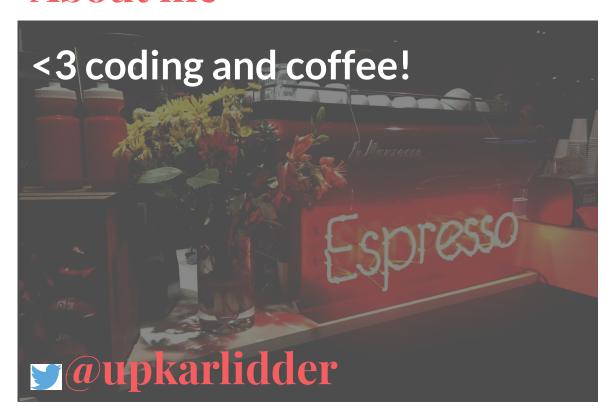
### Node-RED on IBM Cloud

**Upkar Lidder** 

#### **About me**

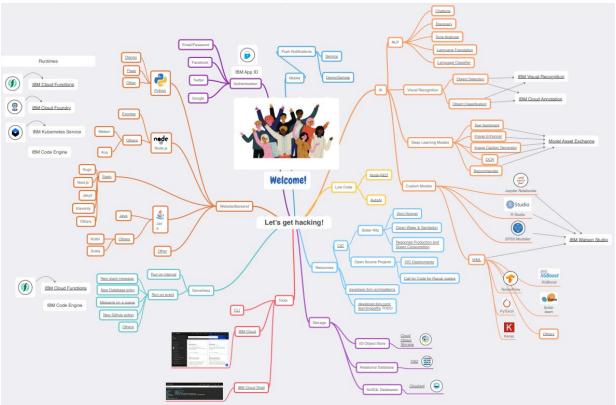




**Upkar Lidder**Software Engineer



#### What are you building?



https://github.com/upkarlidder/ibmhacks

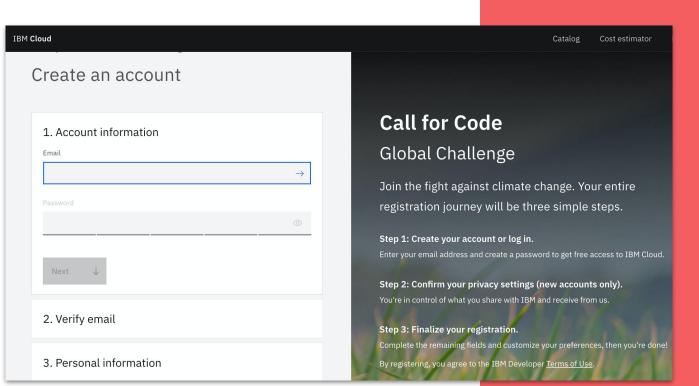
Node-RED is a services in new and interesting programming tool for wiring ways. together hardware devices, APIs and online

#### STEPS

- 1. Create IBM Cloud Account
- 2. Create Node-RED Service
- 3. Hello World!
- 4. Import Starter Kit

# 1. IBM Cloud Account

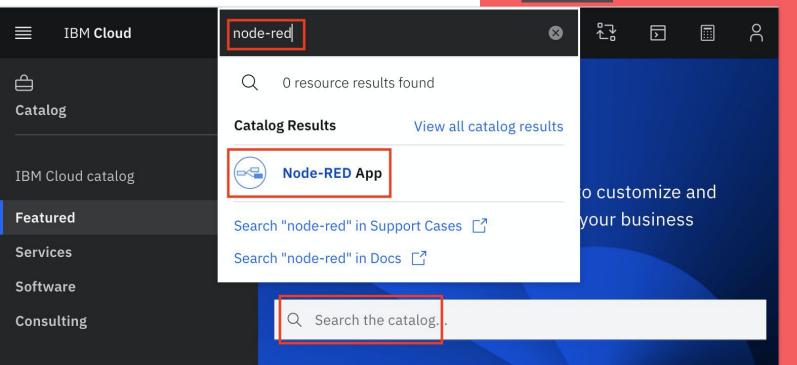
https://ibm.biz/Bdfqe5



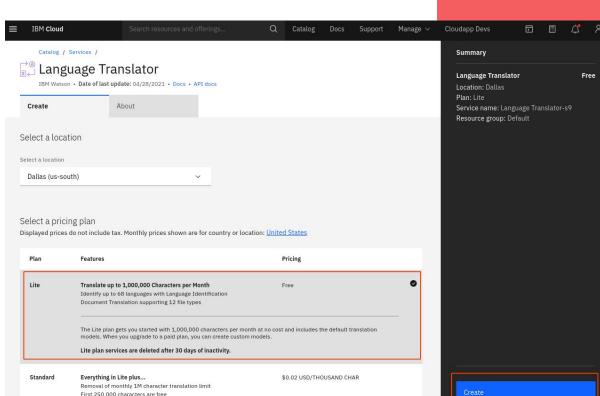
# 2. Node-RED Service

#### https://github.com/pmmi stry/Node-RED-Series

sudo npm install -g --unsafe-perm node-red



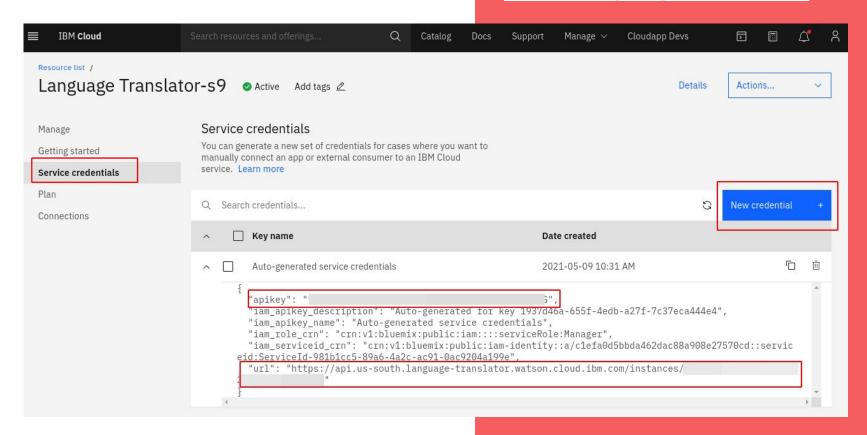
### 3.1 Create Free Translation Service!



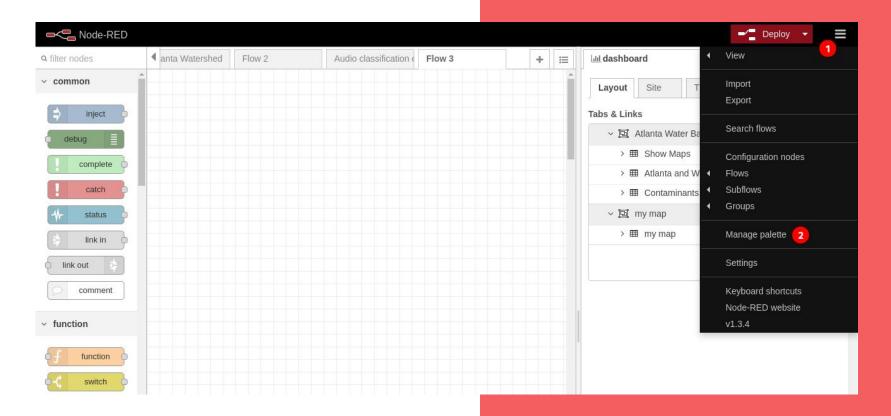
https://cloud.ibm.com/catalog/services/language-translator

#### 3.2 Save the Secret!

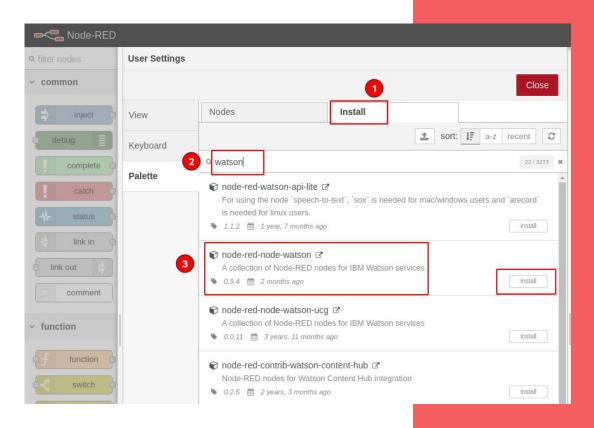
https://cloud.ibm.com/catalog/services/language-translator



### 3.3 Install Waston Nodes - I

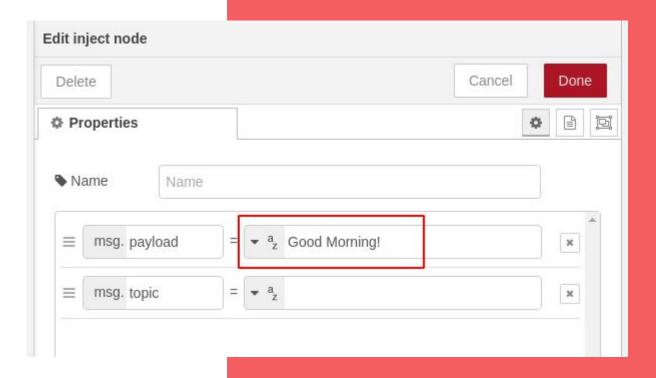


### 3.4 Install Waston Nodes - II



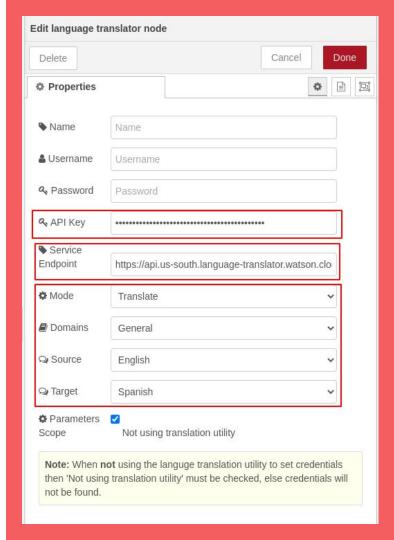
## 3.5 Create Translation Flow - Inject





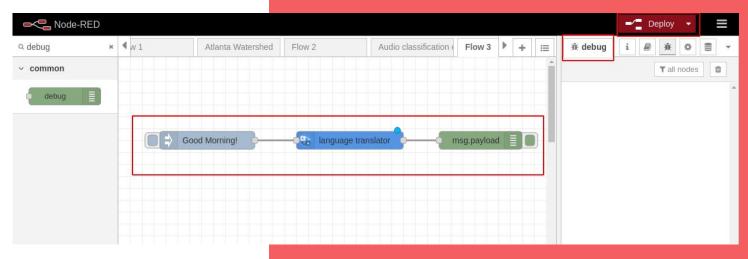
### 3.5 Create Translation Flow - Translator



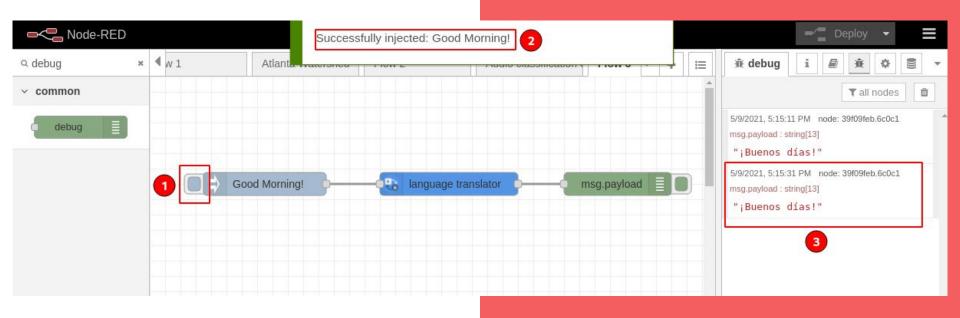


## 3.5 Create Translation Flow - Debug



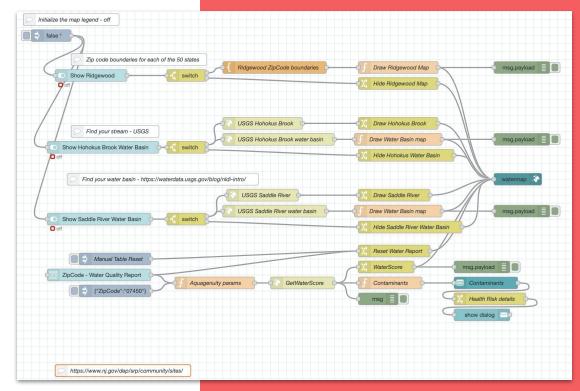


## 3.5 Create Translation Flow



# 4. Import Clean Water Flow

http://bit.ly/cfc-clean-water



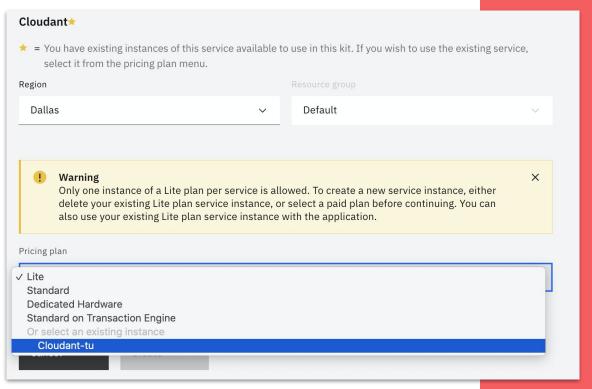
#### **Use Cases**

- 1. IoT with IBM IoT Platform
- Backend Services (HTTP Nodes)
- 3. Artificial Intelligencea. Watson
- 4. Dashboards

b. MAX

- 5. Try out APIs
- 6. Home Automation
- 7. Chatbots
- 8. MQTT
- 9. Message Hubs
- 10. Web Sockets

#### Uh oh!



If you already have a Cloudant account, you need to use that as only one cloudant lite account is allowed in the free account