# Classify an Image using Watson VR through Node-Red Editor – 20mins Lab

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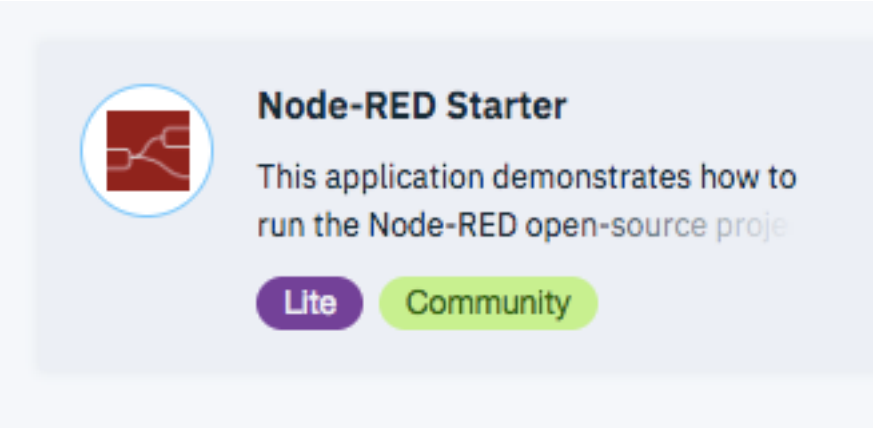
**Pre-req:** IBM cloud access (https://bluemix.net)

**Flow of the Lab:**

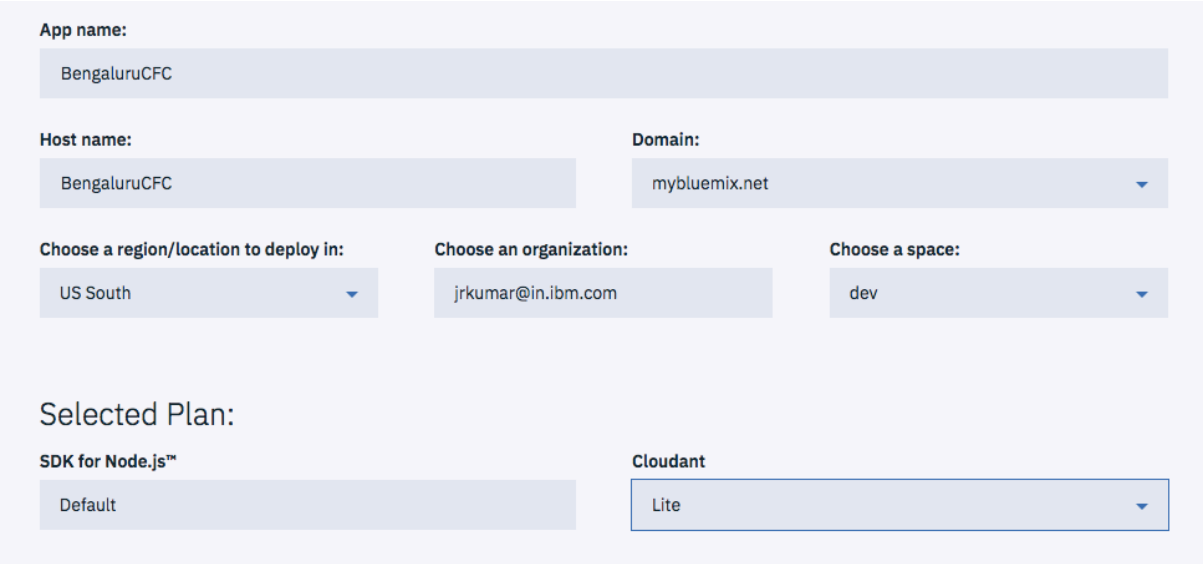
Step 1:  Deploy a Boilerplate which has node-red editor (templated nodejs) as service
Step 2: Deploy Watson Visual Recognition Service
Step 3: Connect the Watson VR with the deployed Boilerplate
Step 4: Use NodeRed Editor to invoke Watson VR service

## Step 1:  Deploy a Boilerplate which has node-red editor as service

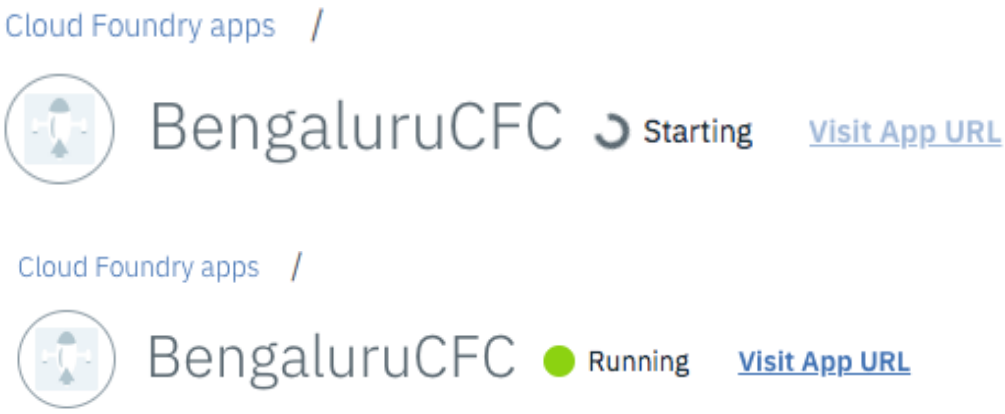
Go to catalog and deploy a nodered Boilerplate:




Provide the Appname, an unique name should be provided. In this case “BengaluruCFC”. Pls. do not use this App name but provide an unique one.

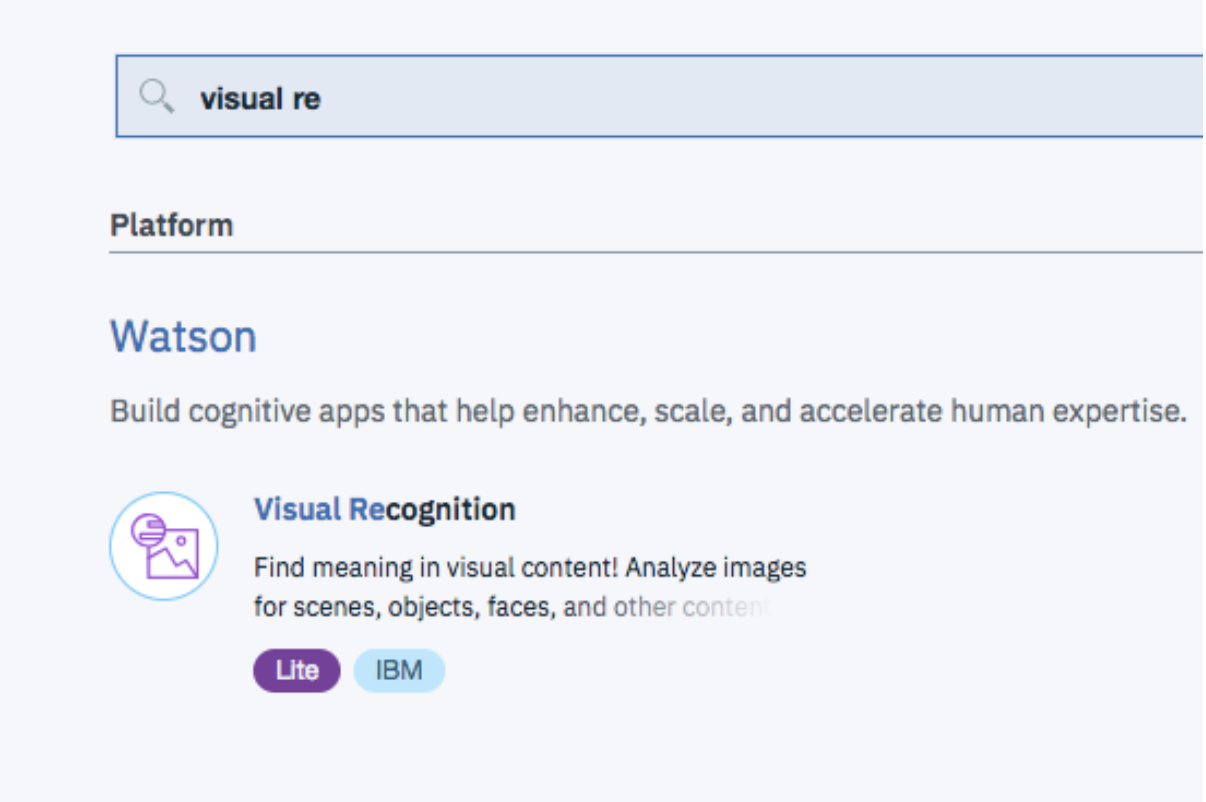


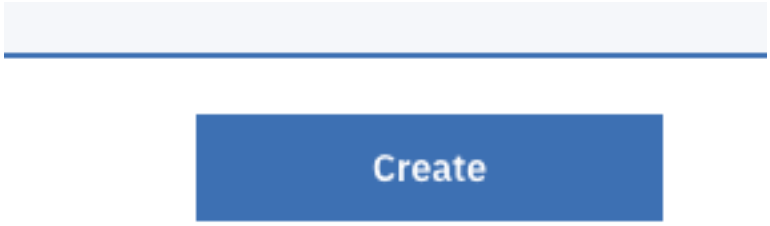
Wait for couple of minutes for the app to get deployed




## Step 2: Deploy Watson Visual Recognition Service

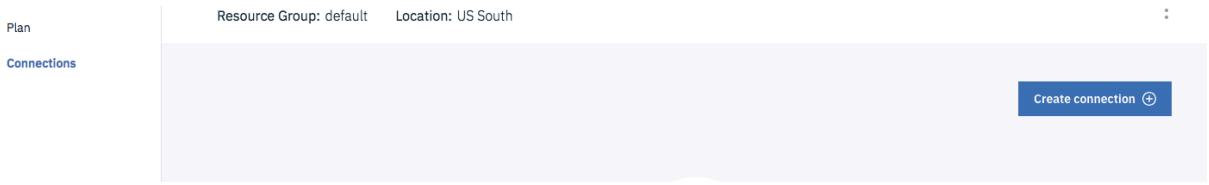
Go back to Catalog and select the visual recognition service to be deployed and linked (connected )back to the just created application



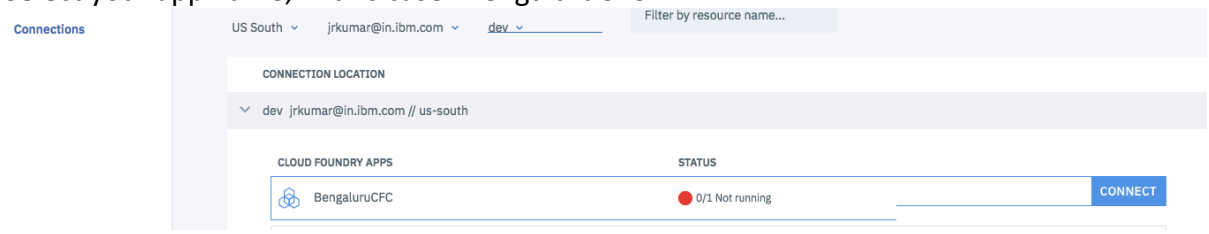


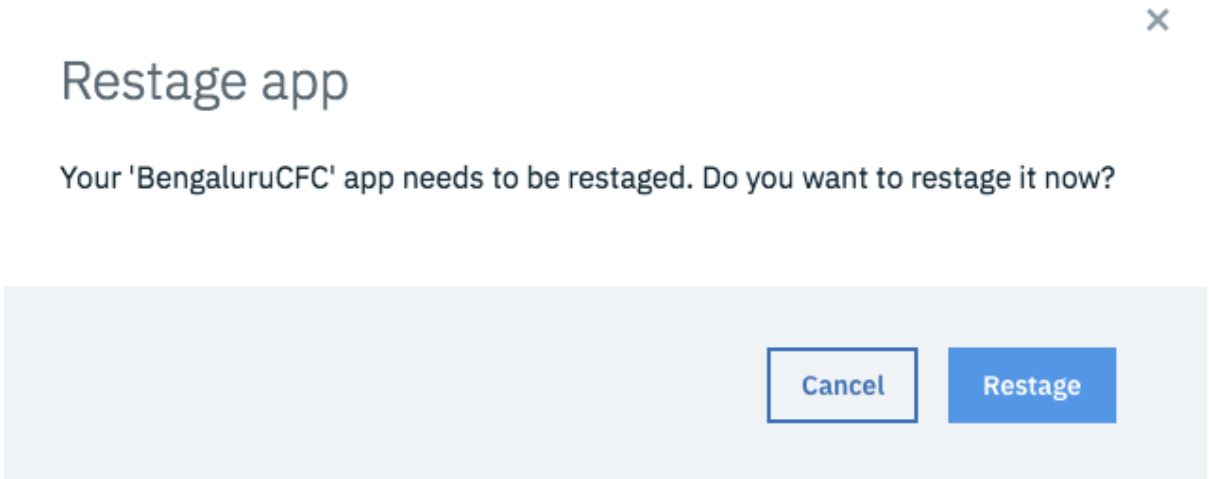

## Step 3: Connect the Watson VR with the deployed Boilerplate

Connect it with the just created application



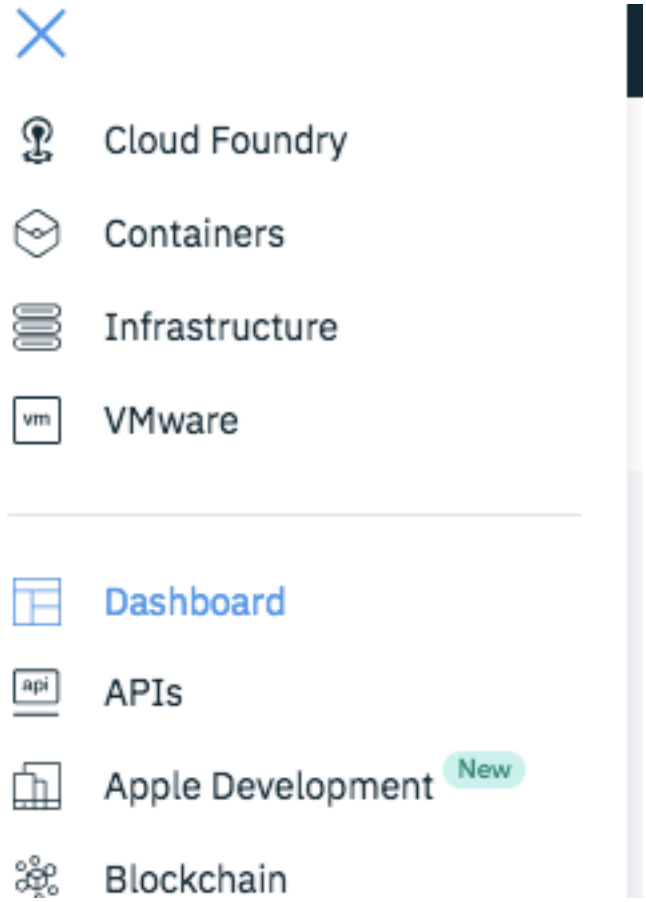

Select your app name, in this case “BengaluruCFC”



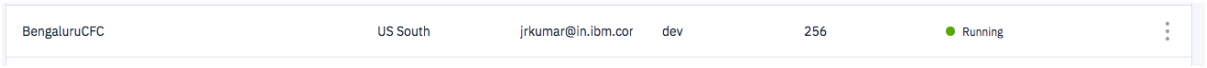




## Step 4: Use NodeRed Editor to invoke Watson VR service

Go back to dashboard and get prepared to launch the application

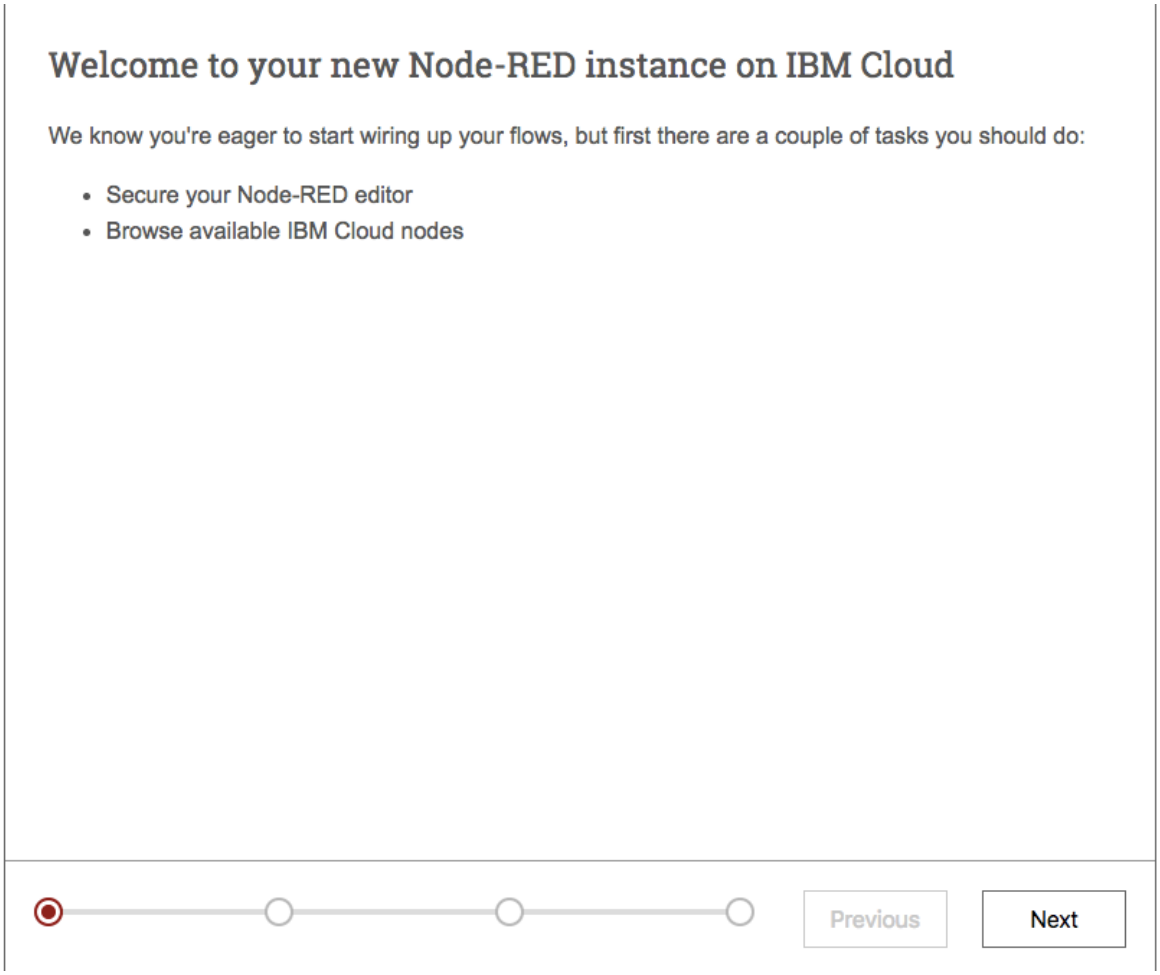



Ensure that the application deployed is in running state.

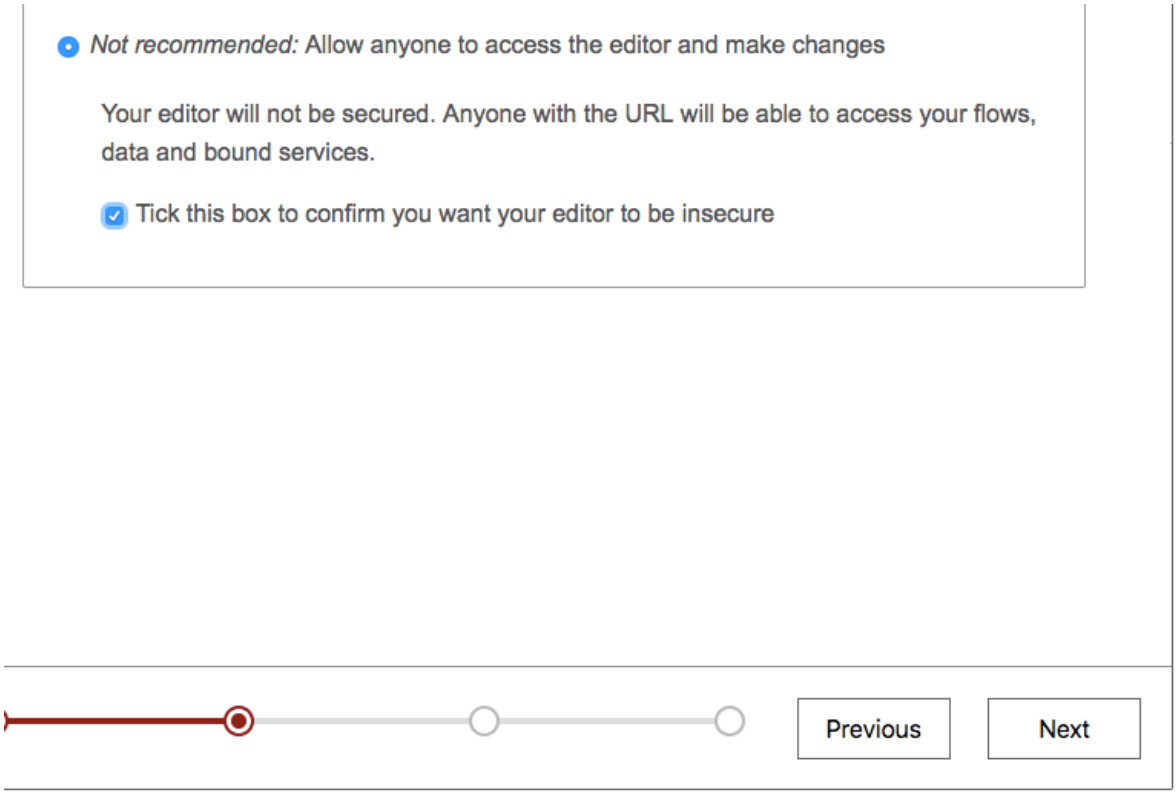



Run the application by selecting the app URL


At this stage, the node red framework is available to further use the Watson VR service.

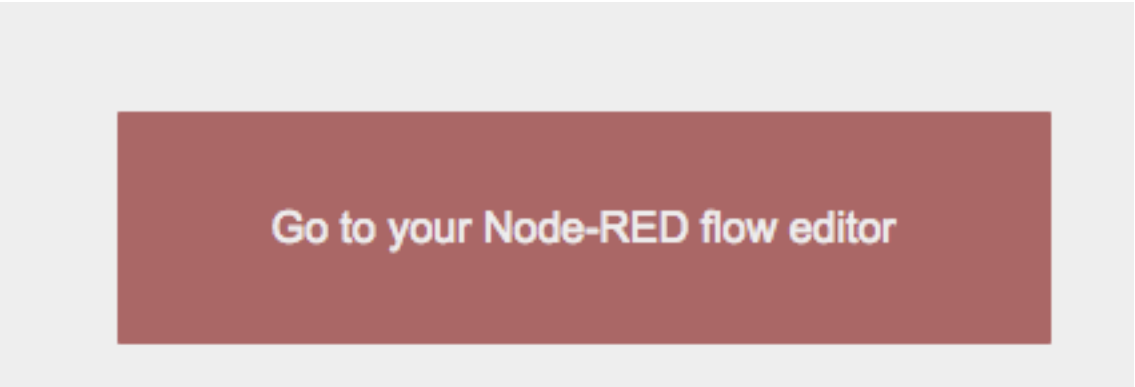



For the current lab requirement , you can skip the security aspect. Continue as shown below:



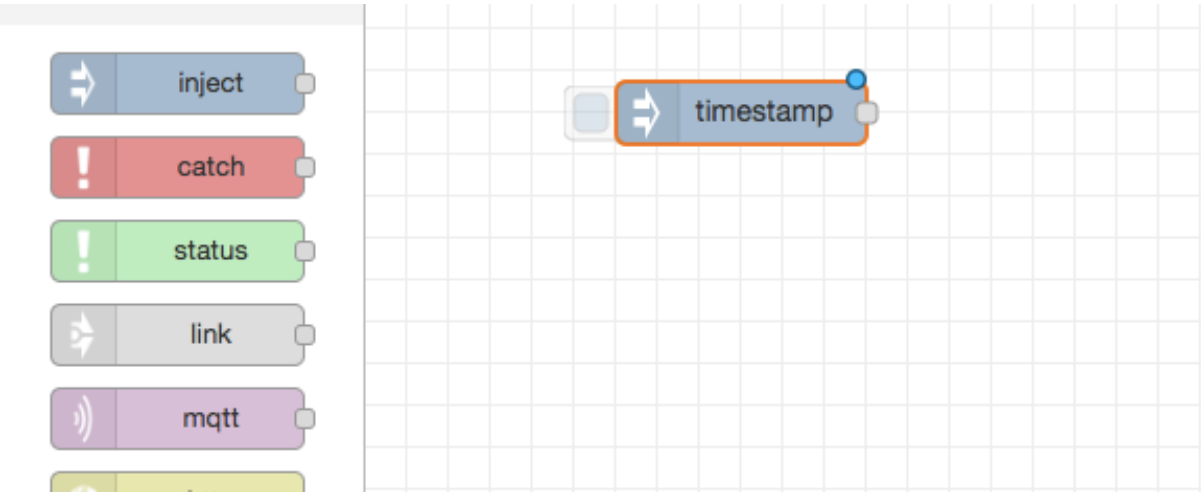

Take the default value for the rest of the fields and Finish

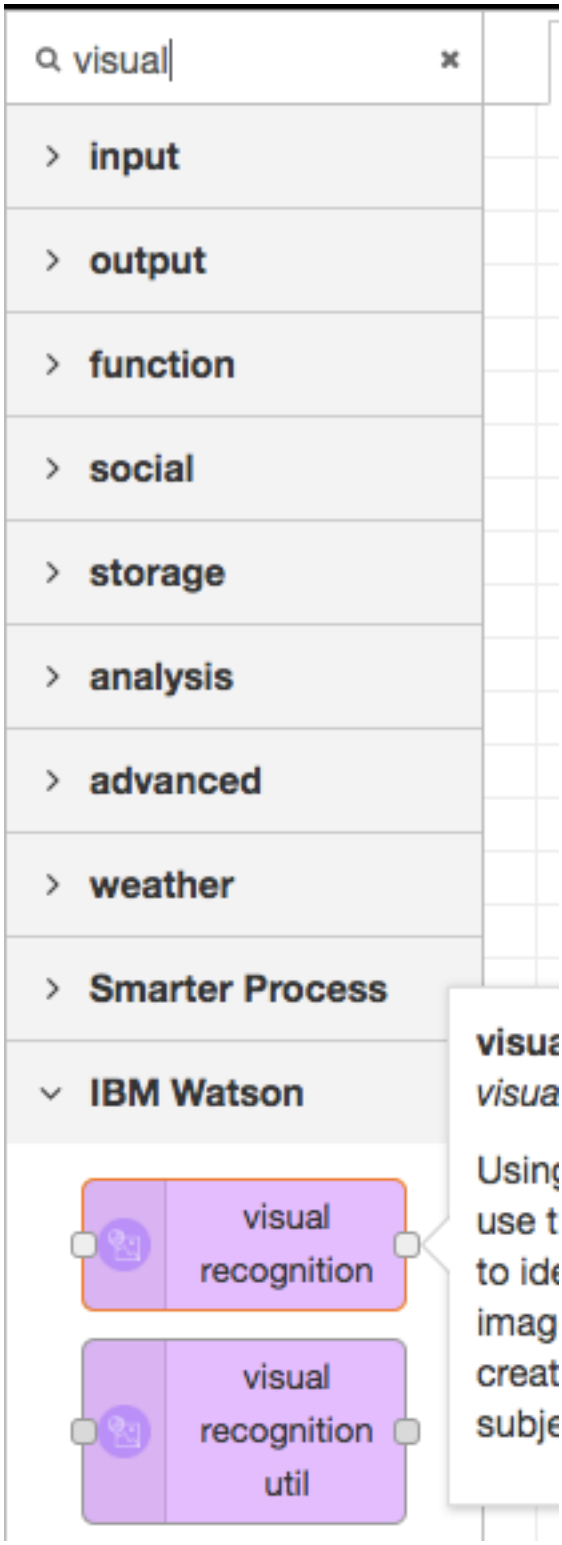

Proceed to Launch the NodeRed Editor:

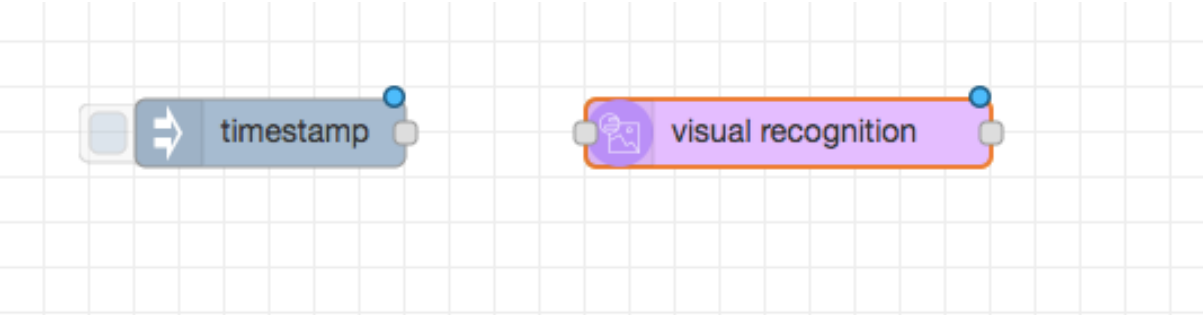


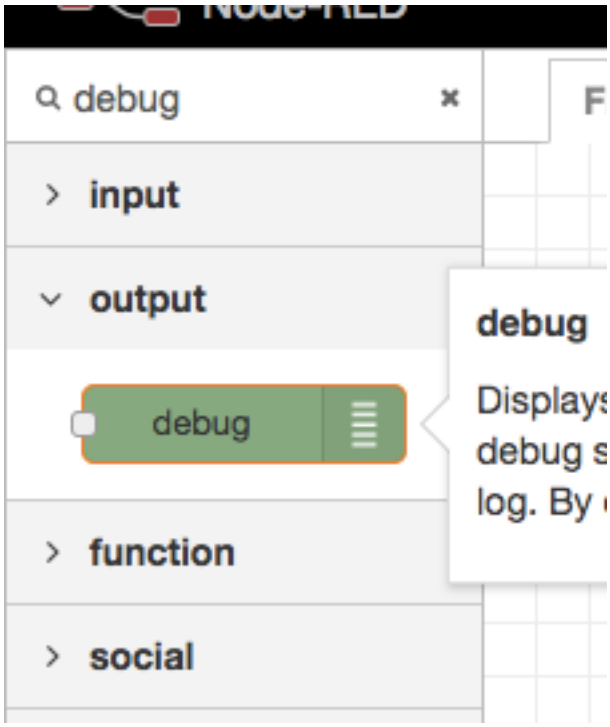

Add three nodes in the Editor as shown:

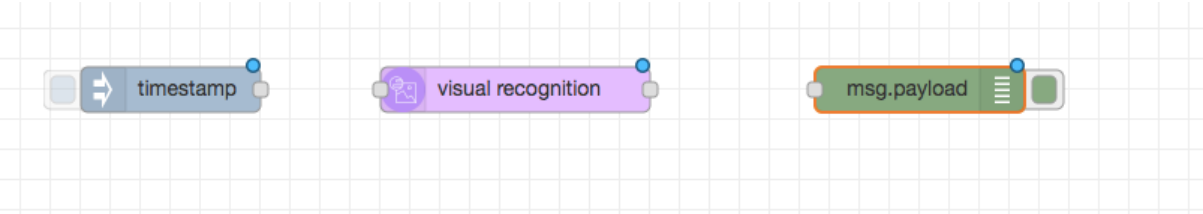
1) Inject
2) Watson Visual Recognition
3) Debug node



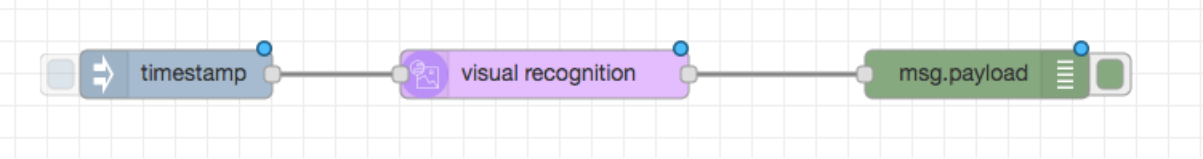

visual
input
output
function
social
storage
analysis
advanced
weather
Smarter Process
IBM Watson
visual recognition
visual recognition util



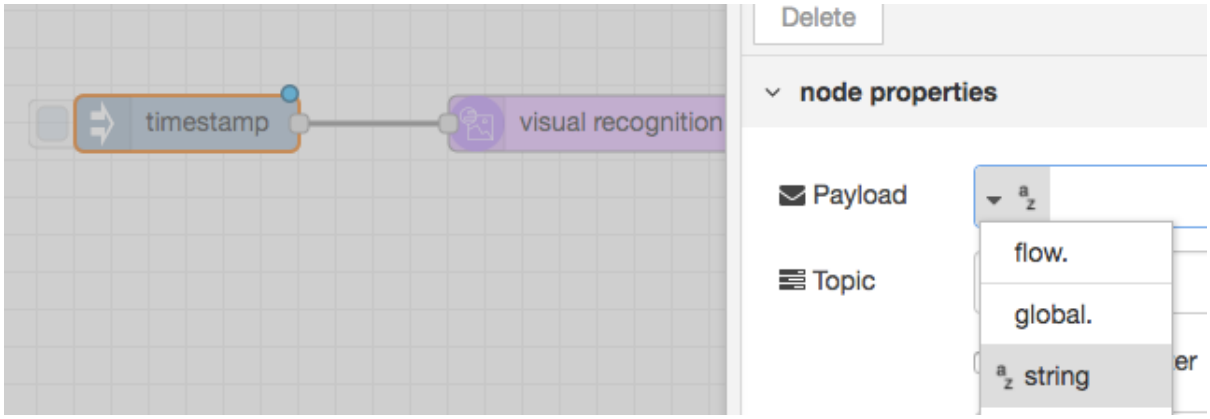




Now, connect all the nodes and configure the nodes as shown:

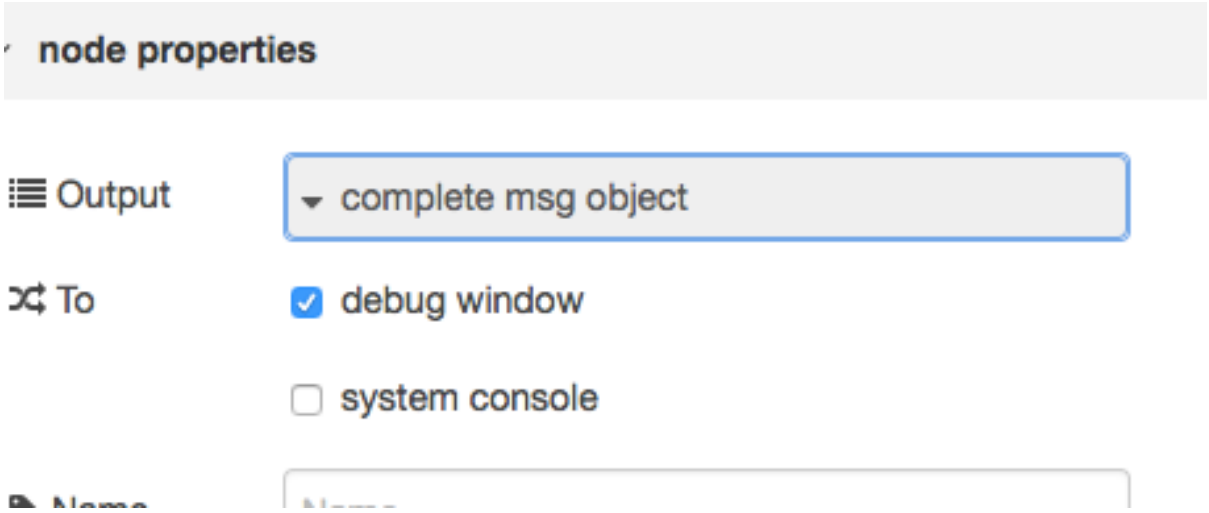



Change from timestamp to Strings to take URL as input

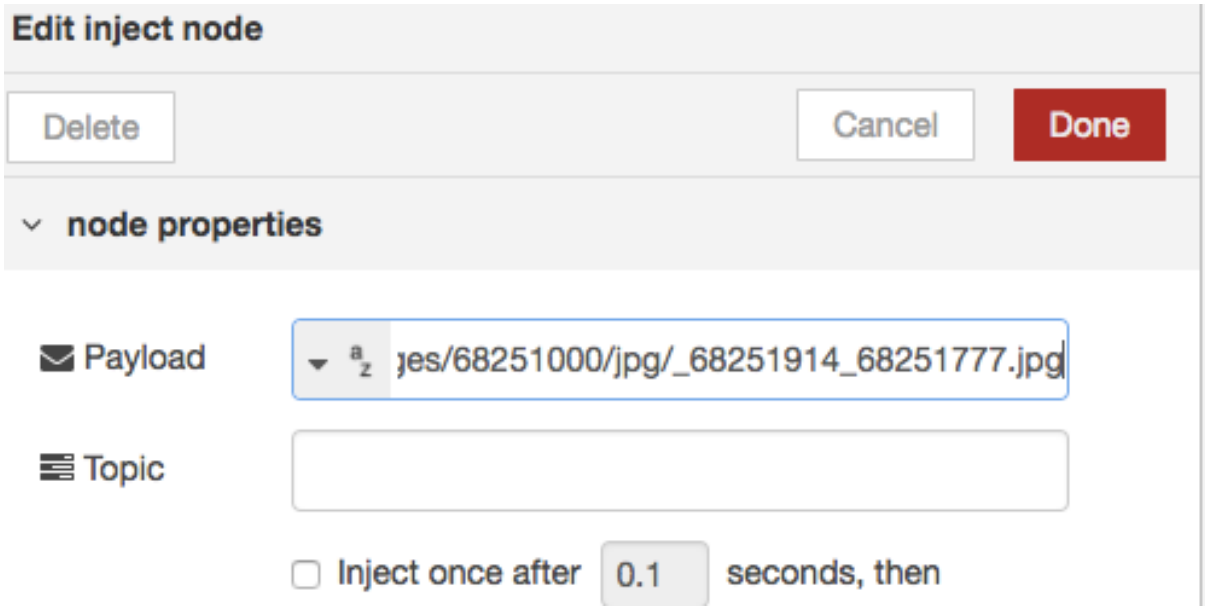



Watson VR provides 3 types of image Detection: Text Identification, face recognition and classification. Change to Classification as shown:

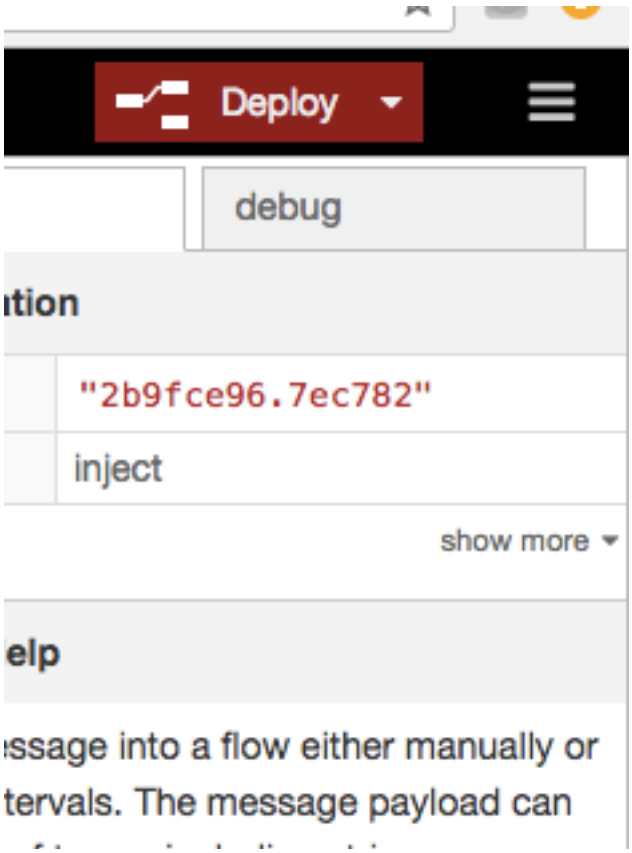

Change the Debug node to “Complete msg object”

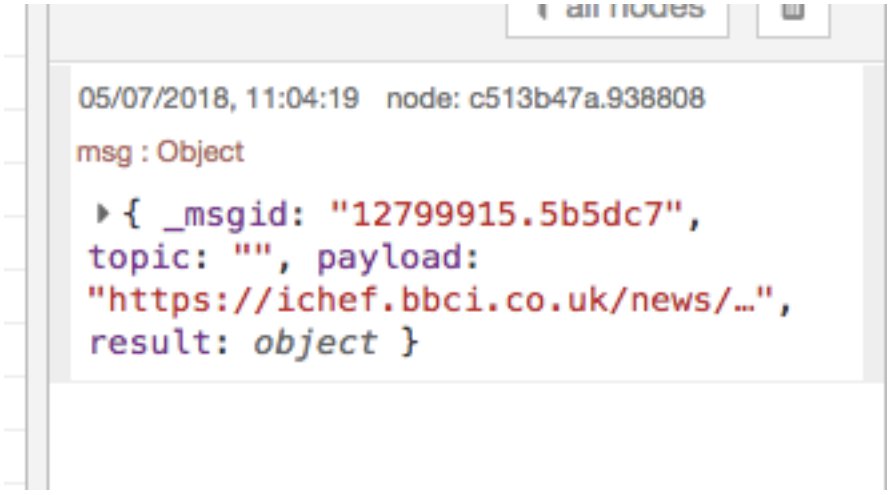



Provide the input image URL in the Inject node as shown. With this you are ready to deploy the Watson VR and ready to classify the image:




Deploy and see the result in the console:




all nodes
05/07/2018, 11:04:19 node: c513b47a.938808
msg : Object
{ _msgid: "12799915.5b5dc7",
topic: "", payload:
"https://ichef.bbci.co.uk/news/…",
result: object }