# NODE RED LINK CREATION IN IBM CLOUD

* Login to IBM CLOUD
* On dash board -🡪 services(ML)🡪Machine Learning 🡪access in watson studio
* (IN NEW TAB) Create project 🡪Standard
* NAME 🡪 create 🡪add to project
* Notebook 🡪 from file 🡪choose file 🡪 create notebook
* (NEW TAB) on top right [00 10] 🡪 drop dataset 🡪 insert to code 🡪 insert pandas dataframe (this will create a new cell on top of your note book with some code)
* Replace ‘df\_data\_1’ with the data frame reading name say ‘data’ in the first cell
* Comment the data reading cell
* Add a cell in the after last cell in notebook
* Add deployment code FROM THE FILE ‘**DEPLOYMENT CODE’**

* FROM SERVICE DETAILS TAB
* Service credentials 🡪 view credentials 🡪 copy ***{…..}***
* Replace {…………} in last cell i.e,wml\_cred…… in deployment code with copied ***{…..}*** from service credentials tab.
* Replace model\_articraft……. 🡪 classifier with model name
* Replace your details in ---🡪 model\_props
* Run all the cells
* A new URL is generated--------🡪***(1)*** this is ***SCORING END POINT***
* Open IBM HOME in new tab
* Dashboard 🡪 Cloudfoundry apps 🡪 select project of(…..) from CFA
* There will be a display ***‘This app is awake’*** 🡪 visit URL🡪 go to nodered flow editor
* Node red flow will open
* ***http GET*** is at I/P 🡪 this contains authentication login and PW from service credentials.
* ***URL*** should be copied from service credentials with extenstion ***v3/identity/token***
* ***http POST*** is at O/P
* ***URL***  should be copied from cells ----(1) i.e. ***SCORING ENDPOINT***
* In token generation code should be as follows
* For eg: for all x\_ variables code should be written

***global.set("SYSTOLIC\_PRESSURE",msg.payload.SYSTOLIC\_PRESSURE);***

***global.set("DIASTOLIC\_PRESSURE",msg.payload.DIASTOLIC\_PRESSURE);***

***global.set("HEART\_RATE",msg.payload.HEART\_RATE);***

***global.set("BLOOD\_VISCOSITY",msg.payload.BLOOD\_VISCOSITY);***

***return msg;***

* In prediction function code is as follows

***var token=msg.payload.token***

***var SYSTOLIC\_PRESSURE=global.get("SYSTOLIC\_PRESSURE")***

***var DIASTOLIC\_PRESSURE=global.get("DIASTOLIC\_PRESSURE")***

***var HEART\_RATE=global.get("HEART\_RATE")***

***var BLOOD\_VISCOSITY=global.get("BLOOD\_VISCOSITY")***

***msg.payload={"fields":["SYSTOLIC\_PRESSURE","DIASTOLIC\_PRESSURE","HEART\_RATE","BLOOD\_VISCOSITY"],"values":[[SYSTOLIC\_PRESSURE,DIASTOLIC\_PRESSURE,HEART\_RATE,BLOOD\_VISCOSITY]]}***

***msg.headers={"Authorization":"Bearer"+token}***

***return msg;***

* In O/P prasing common code is

***msg.payload=msg.payload.values[0][0]***

***return msg;***