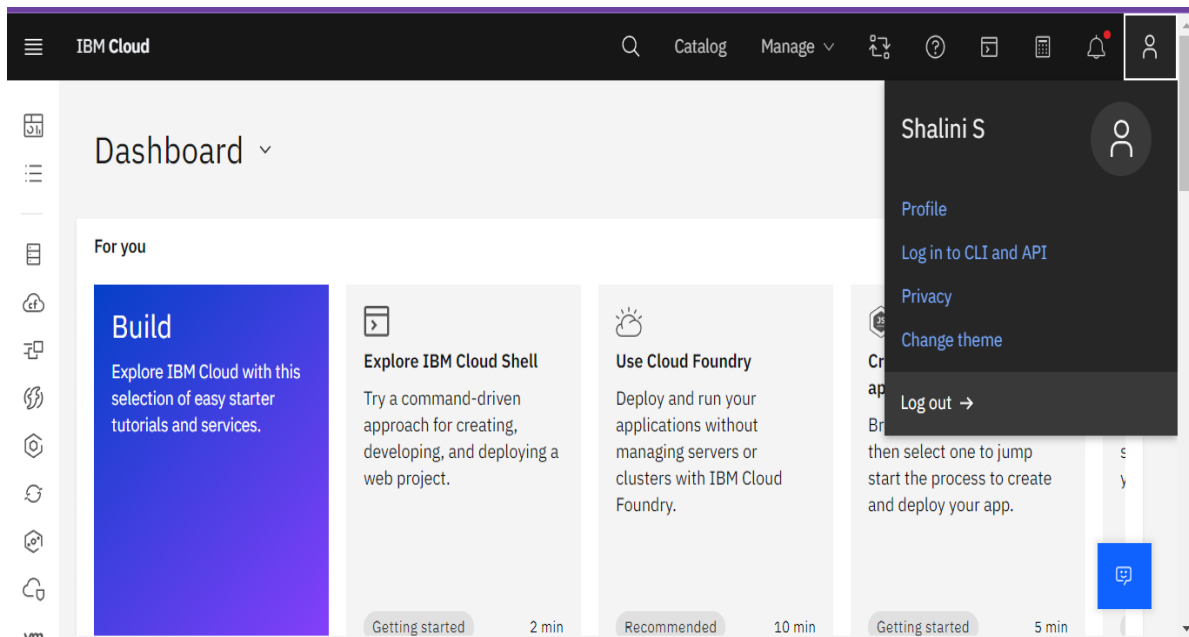
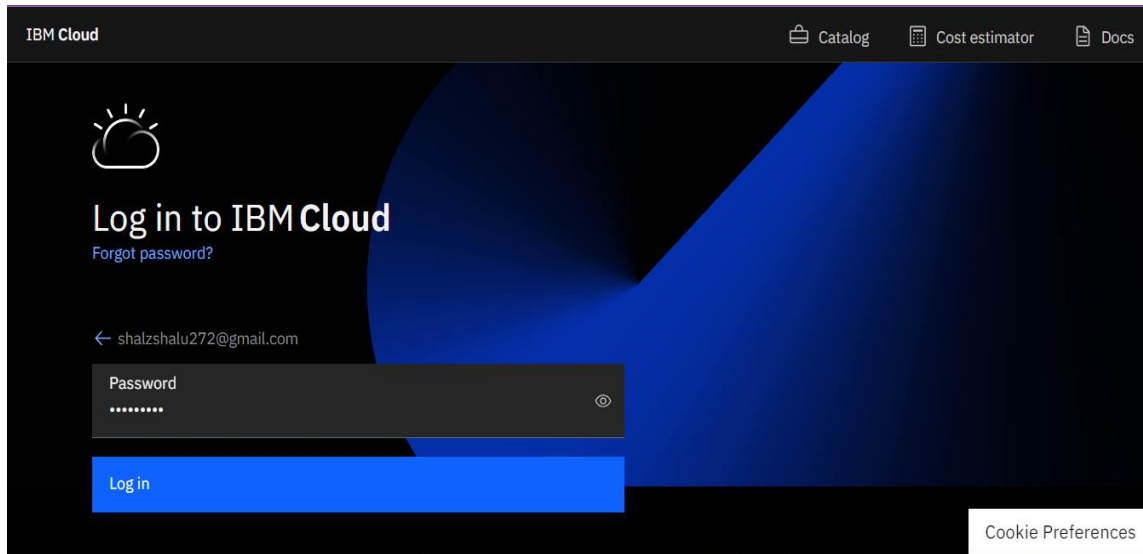


PREREQUISITES

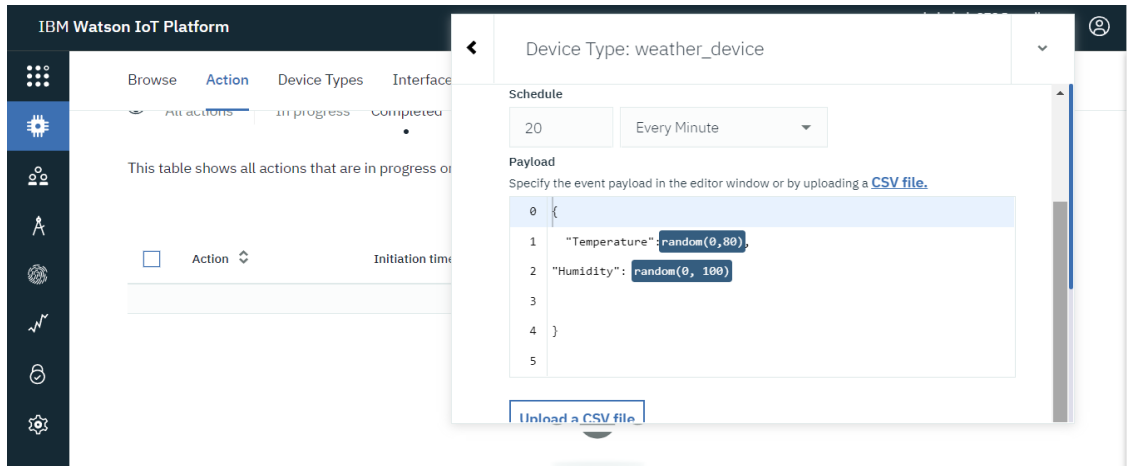
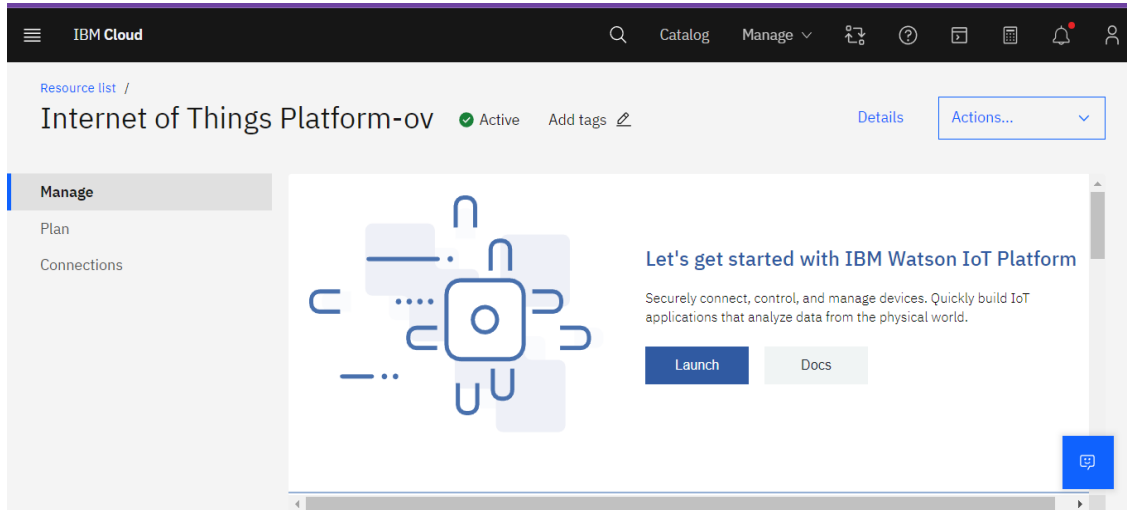
Team ID	PNT2022TMID01159
Project name	Hazardous area monitoring for industrial power plants using IOT

IBM Cloud Services

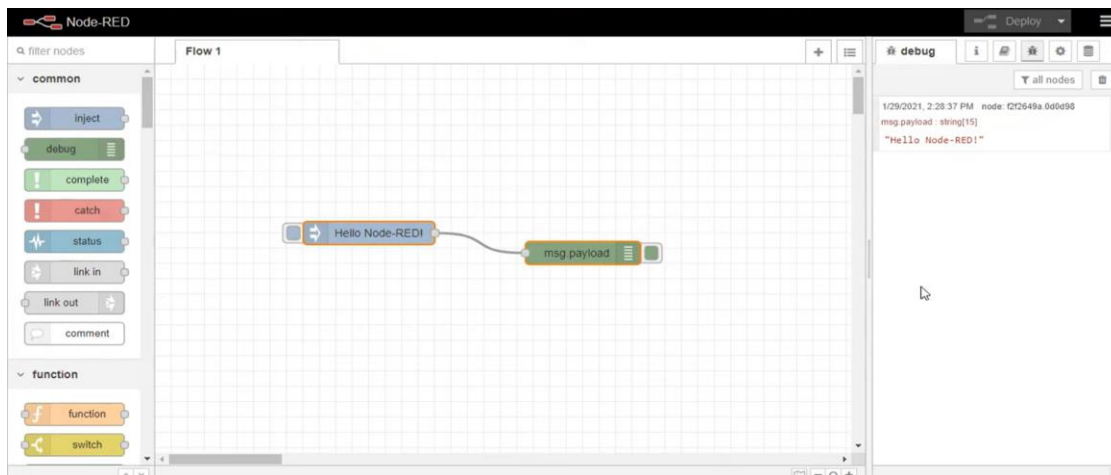
Creation of IBM cloud account



1. Creation of IBM Watson IoT platform:



2. Creation of Node-Red Service



3. Creation of Cloudant Database:

The screenshot displays the IBM Cloudant documentation interface. On the left, a navigation sidebar lists various topics under 'Cloudant', with 'Authentication' expanded to show 'Programmatic authentication'. The main content area features a blue callout box about the `ibmcloudant` SDK and a code editor on the right. The code editor is set to 'Python' and shows two examples of SDK configuration: one for CouchDB session authentication and another for basic authentication. Both examples involve setting a service URL and creating an authenticator.

SDK using the `ibmcloudant` tool to obtain the configuration information from bound services. The `ibmcloudant` tool is available for [Go](#), [Java \(Spring\)](#), [Node.js](#), and [Python](#).

Python

```
service.set_service_url('{url}')

SDK managing session cookie.

from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator

authenticator = CouchDbSessionAuthenticator('{username}',
'{password}')

service = CloudantV1(authenticator=authenticator)

service.set_service_url('{url}')

Basic authentication.

from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('{username}',
'{password}')

service = CloudantV1(authenticator=authenticator)

service.set_service_url('{url}')
```