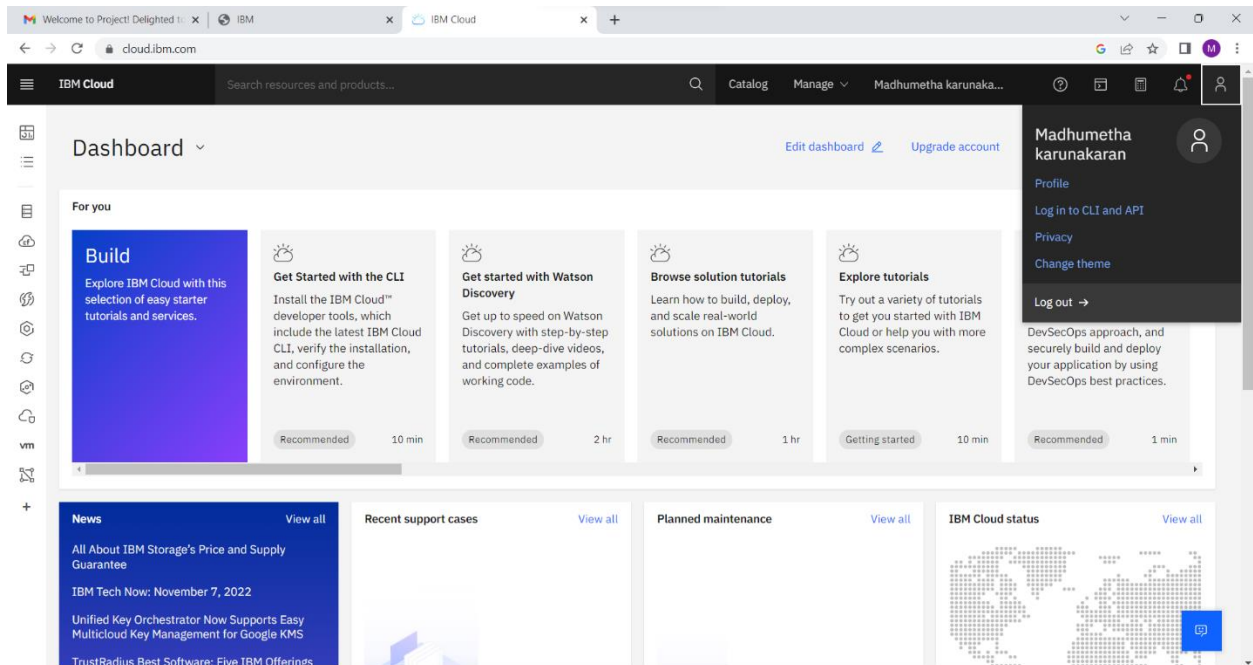


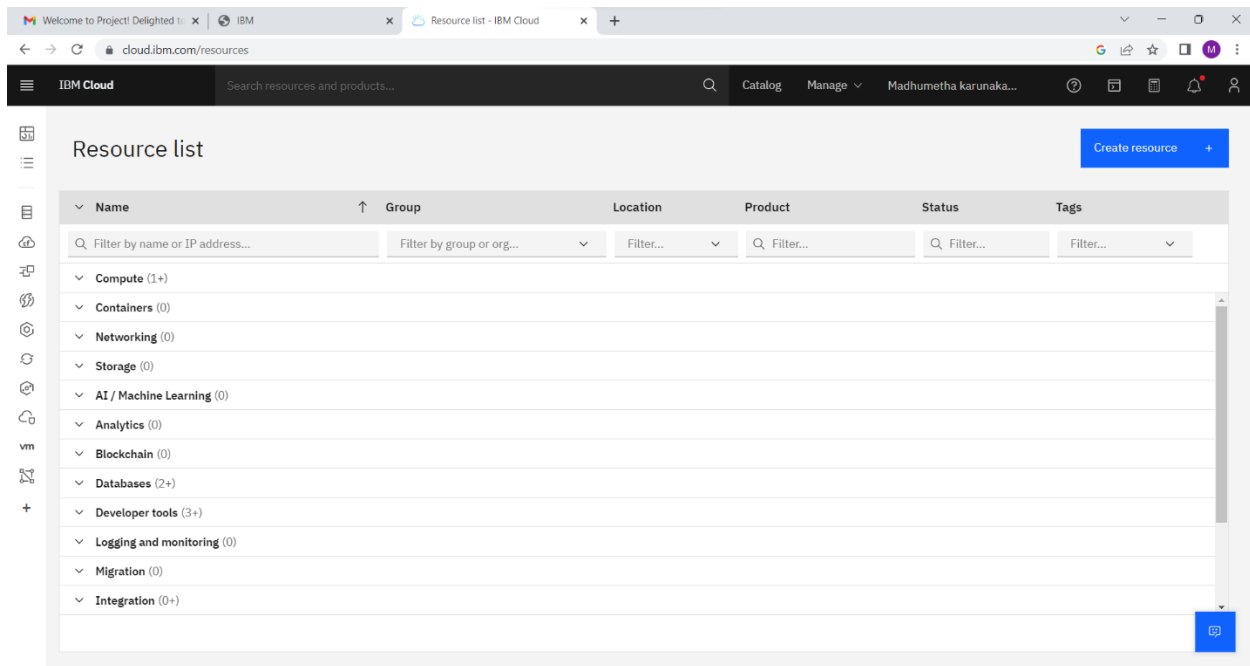
SPRINT 1

TEAMID	PNT2022TMID01063
PROJECT NAME	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

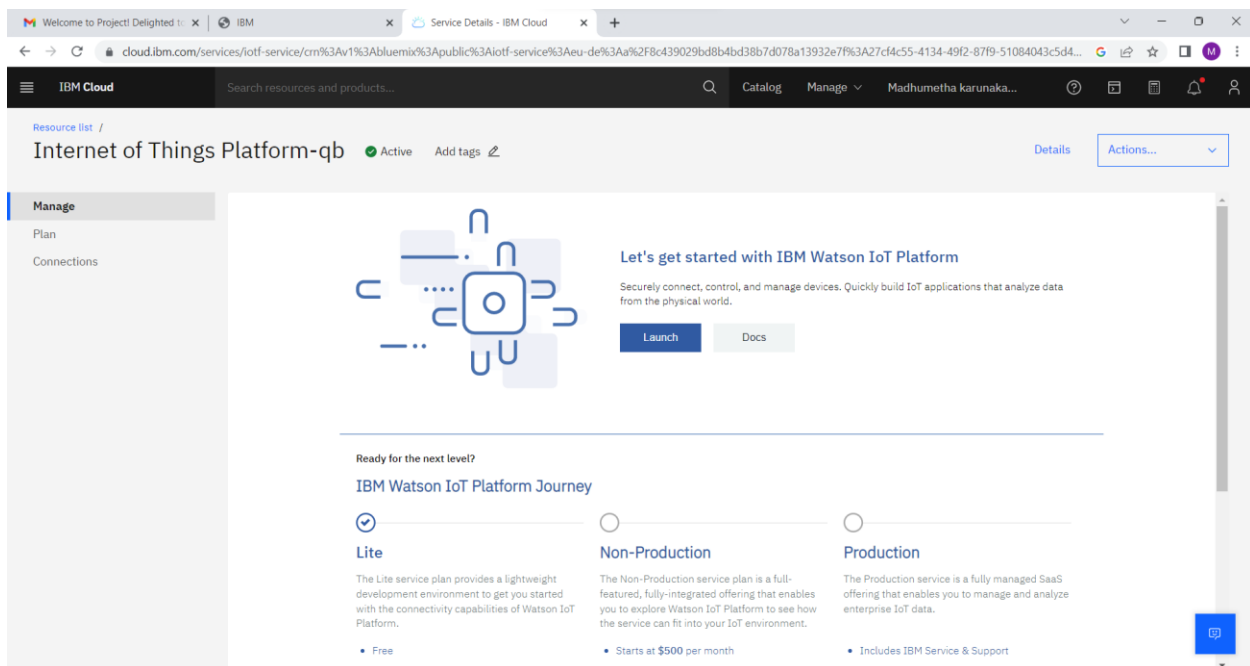
Create the IBM cloud services which are being used in this project.



Configure the IBM cloud service which are being used in completing this project



IBM Watson IoT platform acts as a mediator to connect the web application to IoT devices . Creation of IBM Watson IoT platform



To Connect IoT device with IBM cloud, a device is created in IBM Watson IoT platform and get the credentials.

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons. The main content area has tabs for 'All Devices' and 'Diagnose'. Below the tabs, a message states: 'This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.' A search bar labeled 'Search by Device ID' is present. A table lists devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. One device, 'madhu', is listed with a status of 'Disconnected'. Below the table, a detailed view for the 'madhu' device is shown, including its Identity, Device Information, Recent Events, State, and Logs. The Device Information section shows: Device ID: madhu, Device Type: madhu, Date Added: Nov 4, 2022 5:55 PM, Added By: madhukaruna68@gmail.com, and Connection Status: Disconnected. A simulation status box indicates '1 Simulation running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
madhu	Disconnected	madhu	Device	Nov 4, 2022 5:55 PM	

Device Information

- Device ID: madhu
- Device Type: madhu
- Date Added: Nov 4, 2022 5:55 PM
- Added By: madhukaruna68@gmail.com
- Connection Status: **Disconnected**
Last Connected: Nov 4, 2022 6:26 PM
Client Address: 145.40.94.93 Insecure
Duration: a minute

1 Simulation running

Coding is done and the desired output is displayed.

The screenshot shows the IBM Watson IoT Platform dashboard with the 'Recent Events' tab selected for the 'madhu' device. The 'Recent Events' section displays a table of events with columns: Event, Value, Format, and Last Received. The events are listed as 'event_1' with JSON payloads containing temperature, humidity, and rain data. A modal window titled 'Device Type: madhu' is open, showing the 'Events' configuration. The modal includes a 'New event type' button, a 'Send' button, and a 'Schedule' section with a dropdown for 'Every Minute'. The 'Payload' section shows a JSON payload with random values for temperature, humidity, and rain. The modal also has an 'Upload a CSV file' button and 'Cancel' and 'Save' buttons.

Event	Value	Format	Last Received
event_1	{"temperature":25,"humidity":58,"rain":98}	json	a few seconds ago
event_1	{"temperature":54,"humidity":86,"rain":30}	json	a few seconds ago
event_1	{"temperature":42,"humidity":76,"rain":63}	json	a few seconds ago
event_1	{"temperature":84,"humidity":49,"rain":78}	json	a few seconds ago
event_1	{"temperature":6,"humidity":45,"rain":35}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

Device Type: madhu

Events 1 New event type

Event type name: event_1 Send

Schedule

20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {  
1   "temperature": random(0, 100),  
2   "humidity": random(0, 100),  
3   "rain": random(0, 100),  
4 }  
5
```

Upload a CSV file Cancel Save

Welcome to Project! Delighted 1: x IBM x Service Details - IBM Cloud x IBM Watson IoT Platform x +

8dxkha.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform madhakarunaf6@gmail.com ID: 8dxkha

Browse

Action

Device Types

Interfaces

Add Device +

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"temperature":14,"humidity":17,"rain":29}	json	a few seconds ago
event_1	{"temperature":83,"humidity":23,"rain":88}	json	a few seconds ago
event_1	{"temperature":41,"humidity":97,"rain":62}	json	a few seconds ago
event_1	{"temperature":94,"humidity":90,"rain":35}	json	a few seconds ago
event_1	{"temperature":94,"humidity":76,"rain":57}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >

1 Simulation running