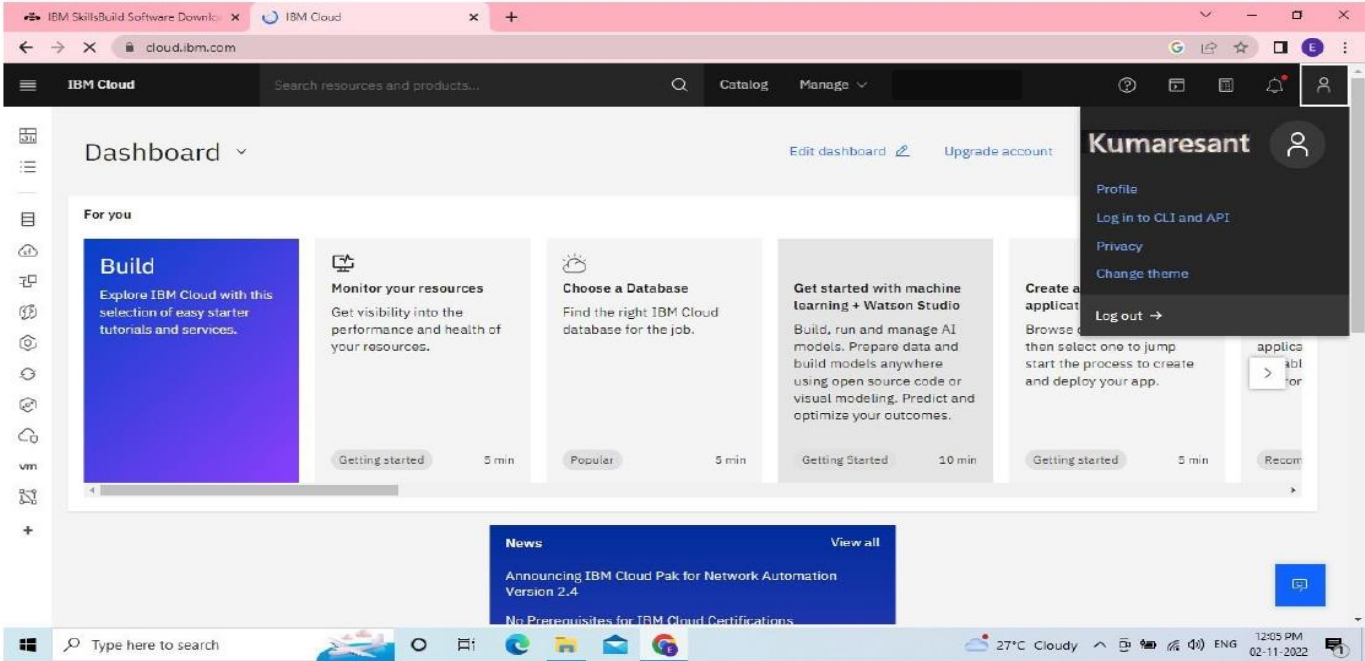


Sprint-1

Date	11 November 2022
Team ID	PNT2022TMID33544
Project Name	Project: Signs with Smart Connectivity for Better Road Safety
Marks	20 Marks

US-1: Create the IBM Cloud services which are being used in this project.



US-2: Configure the IBM Cloud service which are being used in completing this project.

The screenshot shows the IBM Cloud 'Resource list' page. The browser address bar displays 'cloud.ibm.com/resources'. The page header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog' and 'Manage'. A sidebar on the left contains icons for various services. The main content area is titled 'Resource list' and features a table with columns: Name, Group, Location, Product, Status, and Tags. Below the table, there are expandable sections for different service categories: Compute (0), Containers (0+), Networking (0+), Storage (0+), AI / Machine Learning (0+), Analytics (0+), Blockchain (0+), Databases (0+), Developer tools (0+), Logging and monitoring (0+), and Migration (0+). A 'Create resource' button is located in the top right corner. The Windows taskbar at the bottom shows the system time as 11:40 AM on 02-11-2022.

US-3: IBM Watson IoT Platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.

The screenshot displays the 'Service Details' page for the 'Internet of Things Platform-8q' in the IBM Cloud console. The browser address bar shows a long URL for the service. The page header is consistent with the previous screenshot. The main content area is titled 'Internet of Things Platform-8q' and indicates the service is 'Active'. A 'Details' link and an 'Actions...' dropdown are visible. On the left, a 'Manage' sidebar lists 'Plan' and 'Connections'. The central part of the page features a large graphic of a network node and the heading 'Let's get started with IBM Watson IoT Platform'. Below this, a description states: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' There are 'Launch' and 'Docs' buttons. Further down, a section titled 'Ready for the next level?' introduces the 'IBM Watson IoT Platform Journey' with three stages: 'Lite' (marked with a checkmark), 'Non-Production', and 'Production'. Each stage has a brief description of the service plan. The Windows taskbar at the bottom shows the system time as 12:10 PM on 02-11-2022.

US-4: In order to connect the IoT device to the IBM Cloud, create a device in IBm Watson IoT platform and get device credentials.

The screenshot displays the IBM Watson IoT Platform dashboard in a web browser. The browser's address bar shows the URL `bmwoyw.internetofthings.ibmcloud.com/dashboard/devices/browse`. The dashboard has a dark blue header with the title "IBM Watson IoT Platform" and a user profile icon. Below the header, there are tabs for "Browse", "Action", "Device Types", and "Interfaces". A search bar labeled "Search by Device ID" is present. On the right, there is a "Device Simulator" toggle switch and a "Add Device" button. The main content area shows the "Recent Events" tab for a selected device. It includes a table with the following data:

Event	Value	Format	Last Received
event_1	{"randomNumber":99}	json	a few seconds ago
event_1	{"randomNumber":98}	json	a few seconds ago
event_1	{"randomNumber":9}	json	a few seconds ago
event_1	{"randomNumber":81}		
event_1	{"randomNumber":75}		

Below the table, a status message indicates "1 Simulation running". The Windows taskbar at the bottom shows the time as 01:24 PM on 02-11-2022, along with weather information ("Raining now") and system icons.

IBM Watson IoT Platform

Browse Action Device Types Interfaces

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
event_1	{"Temperature":11,"Humidity":65,"Rain":25}	json
event_1	{"Temperature":9,"Humidity":26,"Rain":42}	json
event_1	{"Temperature":29,"Humidity":27,"Rain":34}	json
event_1	{"Temperature":69,"Humidity":87,"Rain":57}	json
event_1	{"Temperature":43,"Humidity":6,"Rain":99}	json

Items per page 50 | 1-1 of 1 item

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

IBM Watson IoT Platform

Browse Action Device Types Interfaces

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":27,"Humidity":29,"Rain":22}	json	a few seconds ago
event_1	{"Temperature":11,"Humidity":65,"Rain":25}	json	a few seconds ago
event_1	{"Temperature":9,"Humidity":26,"Rain":42}	json	a few seconds ago
event_1	{"Temperature":29,"Humidity":27,"Rain":34}	json	a few seconds ago
event_1	{"Temperature":69,"Humidity":87,"Rain":57}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

