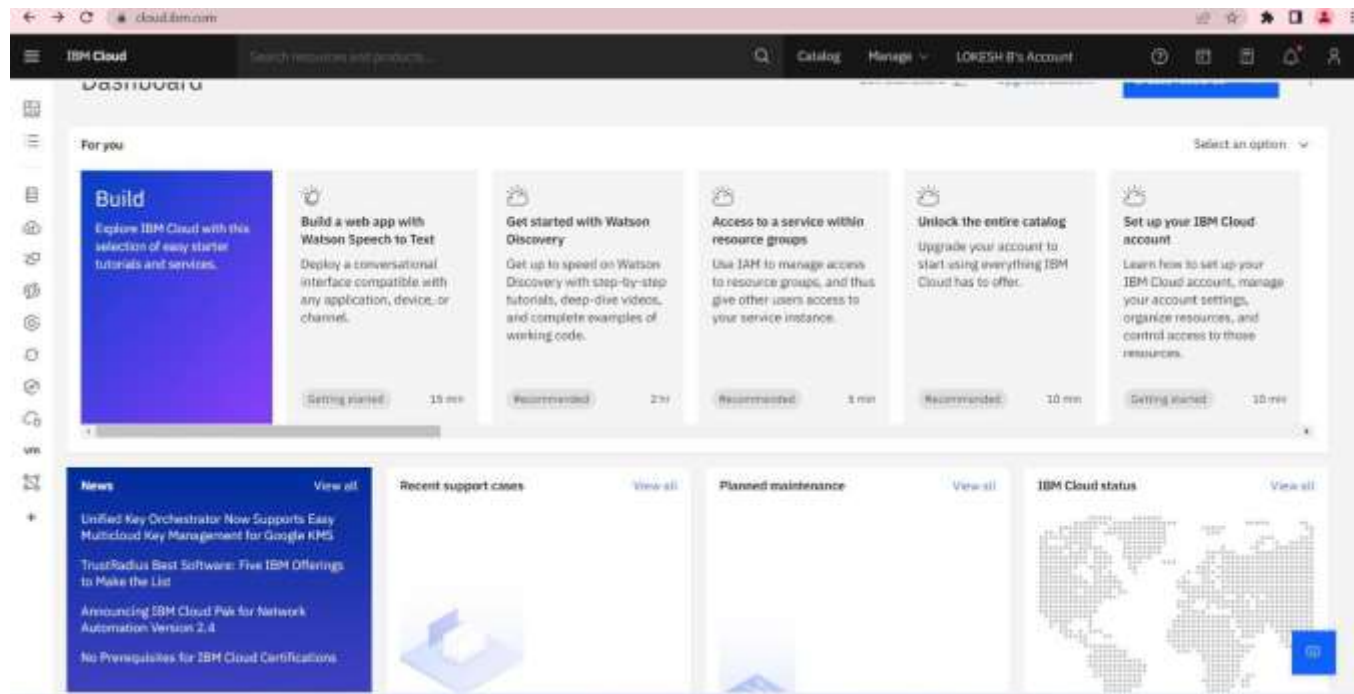


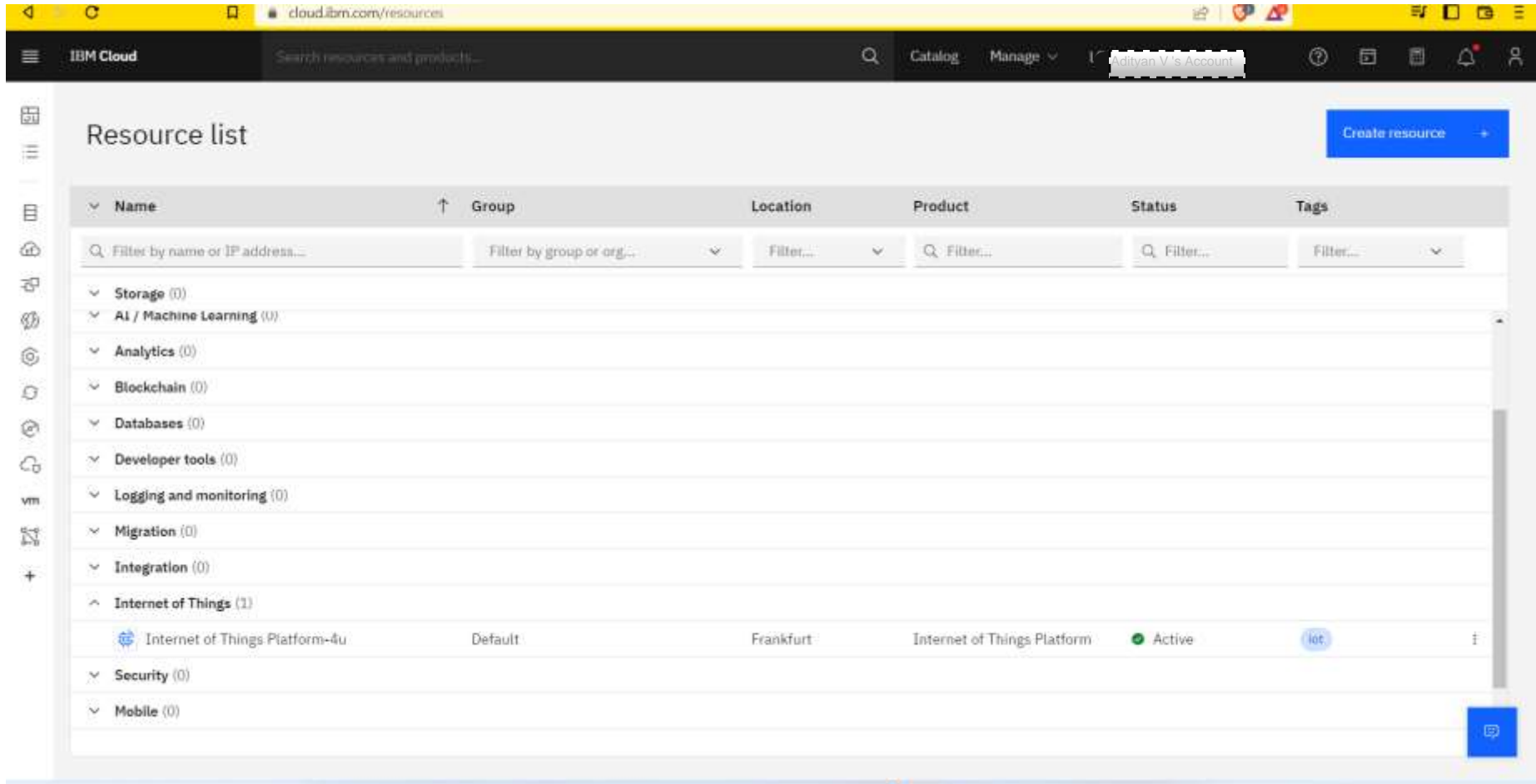
## SPRINT - 1

Date	13 November 2022
Team ID	PNT2022TMID33506
Project Name	Industry Specific intelligent fire management system
Maximum 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 displays the IBM Cloud 'Resource list' interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links for 'Catalog' and 'Manage'. The user's account, 'Adityan V's Account', is visible in the top right. The main content area is titled 'Resource list' and features a 'Create resource' button. Below the title is a table with columns: Name, Group, Location, Product, Status, and Tags. The table lists various resource categories, each with a dropdown arrow and a count in parentheses. The 'Internet of Things' category is expanded, showing a single resource: 'Internet of Things Platform-4u'. This resource is located in 'Frankfurt', is an 'Internet of Things Platform', and has a status of 'Active'. The 'Tags' column for this resource shows a tag labeled 'iot'.

Name	Group	Location	Product	Status	Tags
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (0)					
Developer tools (0)					
Logging and monitoring (0)					
Migration (0)					
Integration (0)					
Internet of Things (1)					
Internet of Things Platform-4u	Default	Frankfurt	Internet of Things Platform	Active	iot
Security (0)					
Mobile (0)					

US – 3 : IBM Watson IoT platform acts as the mediator to connect the web application to IoT devices. So create the Watson IoT platform

The screenshot displays the IBM Cloud IoT Platform console. At the top, the IBM Cloud header includes a search bar and navigation links for Catalog, Manage, and the user's account (Adityan V's Account). The main content area shows the 'Internet of Things Platform-4u' resource, which is 'Active'. A sidebar on the left lists 'Manage', 'Plan', and 'Connections'. The central panel features a diagram of a central device connected to various sensors and actuators, with the heading 'Let's get started with IBM Watson IoT Platform'. Below this, 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', 'Non-Production', and 'Production'. Each stage has a description and a list of features.

**Internet of Things Platform-4u** Active Add tags Details Actions...

**Manage**  
Plan  
Connections

**Let's get started with IBM Watson IoT Platform**  
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.  
[Launch](#) [Docs](#)

**Ready for the next level?**  
**IBM Watson IoT Platform Journey**

- Lite**  
The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.  
• Free
- Non-Production**  
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.  
• Starts at \$500 per month
- Production**  
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.  
• Includes IBM Service & Support

US – 4 : The Order to connect the IoT device the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the user's email (2001lokyb@gmail.com) and ID (be6274). The main navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area features a table of devices. The table has columns for 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. A single device, 'device\_1', is listed with a status of 'Disconnected' and a date added of 'Nov 6, 2022 11:17 AM'. Below the table, a detailed view of the selected device is shown, including fields for 'Device ID', 'Device Type', 'Date Added', 'Added By', and 'Connection Status'.

IBM Watson IoT Platform

2001lokyb@gmail.com  
ID: be6274

Browse Action Device Types Interfaces

Add Device

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.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
device_1	Disconnected	device1	Device	Nov 6, 2022 11:17 AM	

Identity Device Information Recent Events State Logs

Device ID	device_1
Device Type	device1
Date Added	Nov 6, 2022 11:17 AM
Added By	2001lokyb@gmail.com
Connection Status	Disconnected

Items per page: 50 | 1-1 of 1 item

1 of 1 page

Device ID	Status	Device Type	Class ID	Date
device_1	Disconnected	device1	Device	Nov

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
eventstart	{"Temperature":32,"Flame Level":74,"Smoke Lev...	json	a few seconds ago

Items per page: 50 | 1-1 of 1 item

IBM Watson IoT Platform

2001lokyb@gmail.com  
ID: be6274

Browse

Action

Device Types

Interfaces

Search by Device ID

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date
<input checked="" type="checkbox"/>	device_1	Disconnected	device1	Device	Nov

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 Receive
eventstart	{*Temperature*:12,*Flame Level*:43,*Smoke Lev...	json	a few secon
eventstart	{*Temperature*:36,*Flame Level*:33,*Smoke Lev...	json	a few secon
eventstart	{*Temperature*:72,*Flame Level*:27,*Smoke Lev...	json	a few secon
eventstart	{*Temperature*:32,*Flame Level*:74,*Smoke Lev...	json	a minute ag

Device Type: device1

Events 1

New event type

Event type name eventstart

Send

Schedule

1 Every Minute

Payload

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

0 {

1 "Temperature": random(0, 100)

2 "Flame Level": random(0, 100)

3 "Smoke Level": random(0, 100)

4 }

5

Upload a CSV file

Cancel

Save