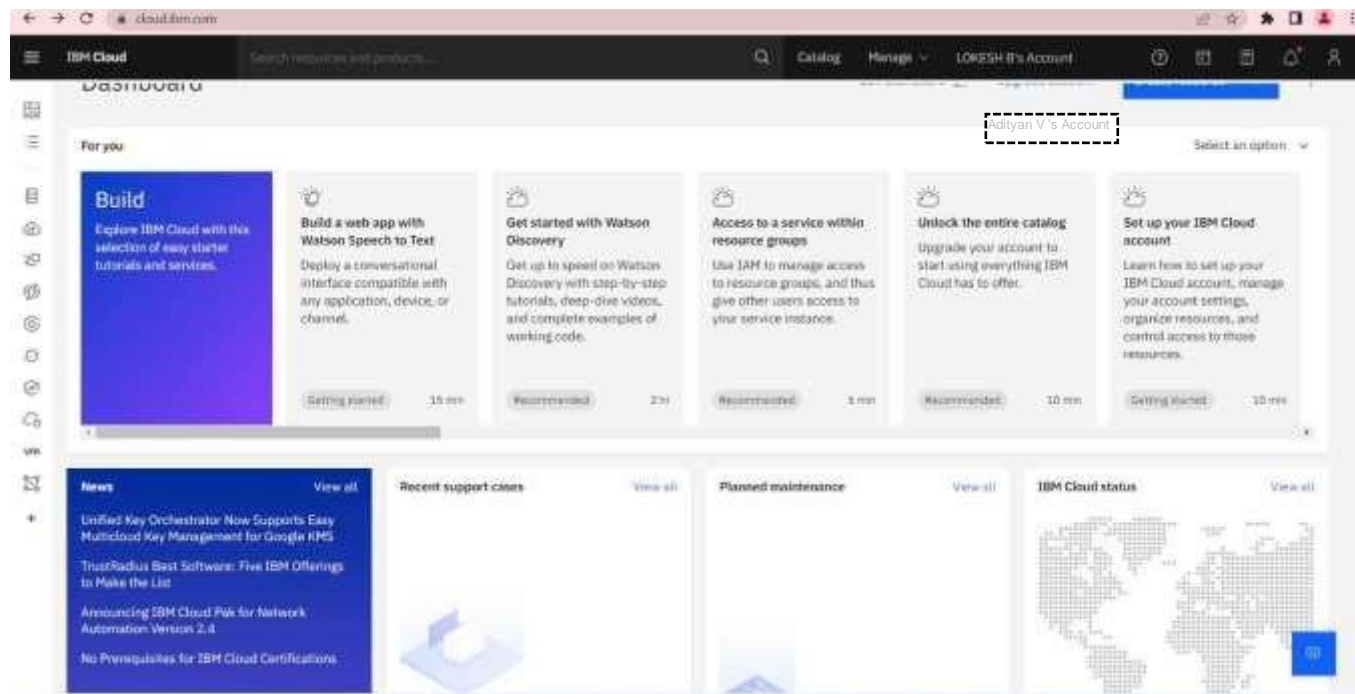


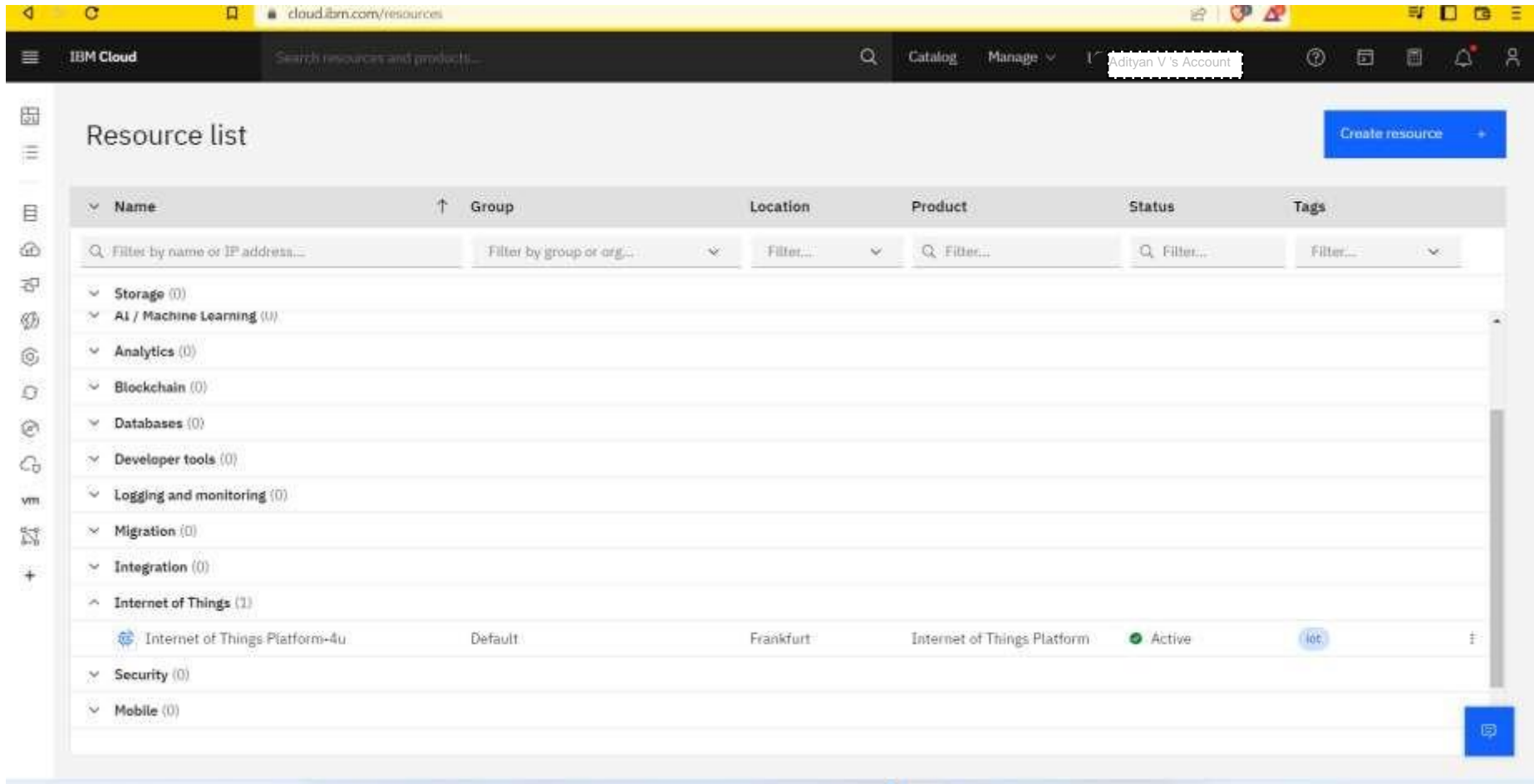
## SPRINT - 1

Date	13 November 2022
Team ID	PNT2022TMID45219
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 console interface, specifically the 'Resource list' page. The top navigation bar includes the 'IBM Cloud' logo, a search bar, and links for 'Catalog' and 'Manage'. The user's account name, 'Adityan V's Account', is visible in the top right corner. The main content area is titled 'Resource list' and features a 'Create resource' button. Below the title is a table with columns for Name, Group, Location, Product, Status, and Tags. The table lists various resource categories such as Storage, AI / Machine Learning, Analytics, Blockchain, Databases, Developer tools, Logging and monitoring, Migration, Integration, Internet of Things, Security, and Mobile. The 'Internet of Things' category is expanded, showing a single resource: 'Internet of Things Platform-4u'. This resource is located in Frankfurt, is part of the 'Default' group, and has a status of 'Active'. The 'Tags' column for this resource shows '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 console interface for the Watson IoT Platform. At the top, the navigation bar includes the IBM Cloud logo, a search bar, and links to 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 currently 'Active'. A sidebar on the left provides navigation options: Manage (selected), Plan, and Connections. The central panel features a diagram of a central device icon connected to various external devices. Below this, a section titled 'Let's get started with IBM Watson IoT Platform' offers a 'Launch' button and a 'Docs' link. Further down, a 'Ready for the next level?' section introduces the 'IBM Watson IoT Platform Journey' with three service plans: Lite, Non-Production, and Production. Each plan is accompanied by a brief description and a list of key features.

**Internet of Things Platform-4u** Active Add tags

**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. The top navigation bar includes the platform name, a help icon, the user email (2001lokyb@gmail.com), the user ID (be6274), and an 'Add Device' button. The sidebar on the left contains icons for various functions. The main content area features a breadcrumb trail (Browse > Action > Device Types > Interfaces), a search bar, and 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'. Below the table, a detailed view for 'device\_1' is shown, including tabs for Identity, Device Information, Recent Events, State, and Logs. The 'Device Information' tab is active, displaying details such as 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

Save

IBM Watson IoT Platform

2001okyb@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 seco
eventstart	{*Temperature*:36,*Flame Level*:33,*Smoke Lev...	json	a few seco
eventstart	{*Temperature*:72,*Flame Level*:27,*Smoke Lev...	json	a few seco
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