

# Sprint-1

Date	10 November 2022
Team ID	PNT2022TMID21782
Project Name	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.

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and the user's account 'Ksheeraja S's Acco...'. The main content area is titled 'Dashboard' and features a 'For you' section with several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Create and deploy an application' (Browse our starter kits, and then select one to jump start the process to create and deploy your app), 'Build a web app with Watson Speech to Text' (Deploy a conversational interface compatible with any application, device, or channel), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), and 'IBM Watson Knowledge Catalog' (Help your data citizen easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform). Below this, there are sections for 'News' (IBM Cloud Satellite New Pricing, IBM Cloud Data Shield Deprecation, IBM Watson Orchestrate Is Integrating with), 'Recent support cases', 'Planned maintenance', and 'IBM Cloud status'. The right sidebar shows the user's profile 'Ksheeraja S' with options for Profile, Log in to CLI and API, Privacy, Change theme, and Log out. The bottom of the image shows a Windows taskbar with various application icons and system information like '23°C Mostly clear' and '23:42 17-11-2022'.

**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 browser's address bar shows 'cloud.ibm.com/resources'. The page header includes the 'IBM Cloud' logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user account 'Ksheeraja S's Acco...'. A 'Create resource' button is located in the top right corner.

The main content area features a table with the following columns: Name, Group, Location, Product, Status, and Tags. A search filter 'intern' is applied to the 'Name' column. The table lists one resource under the 'Internet of Things' category:

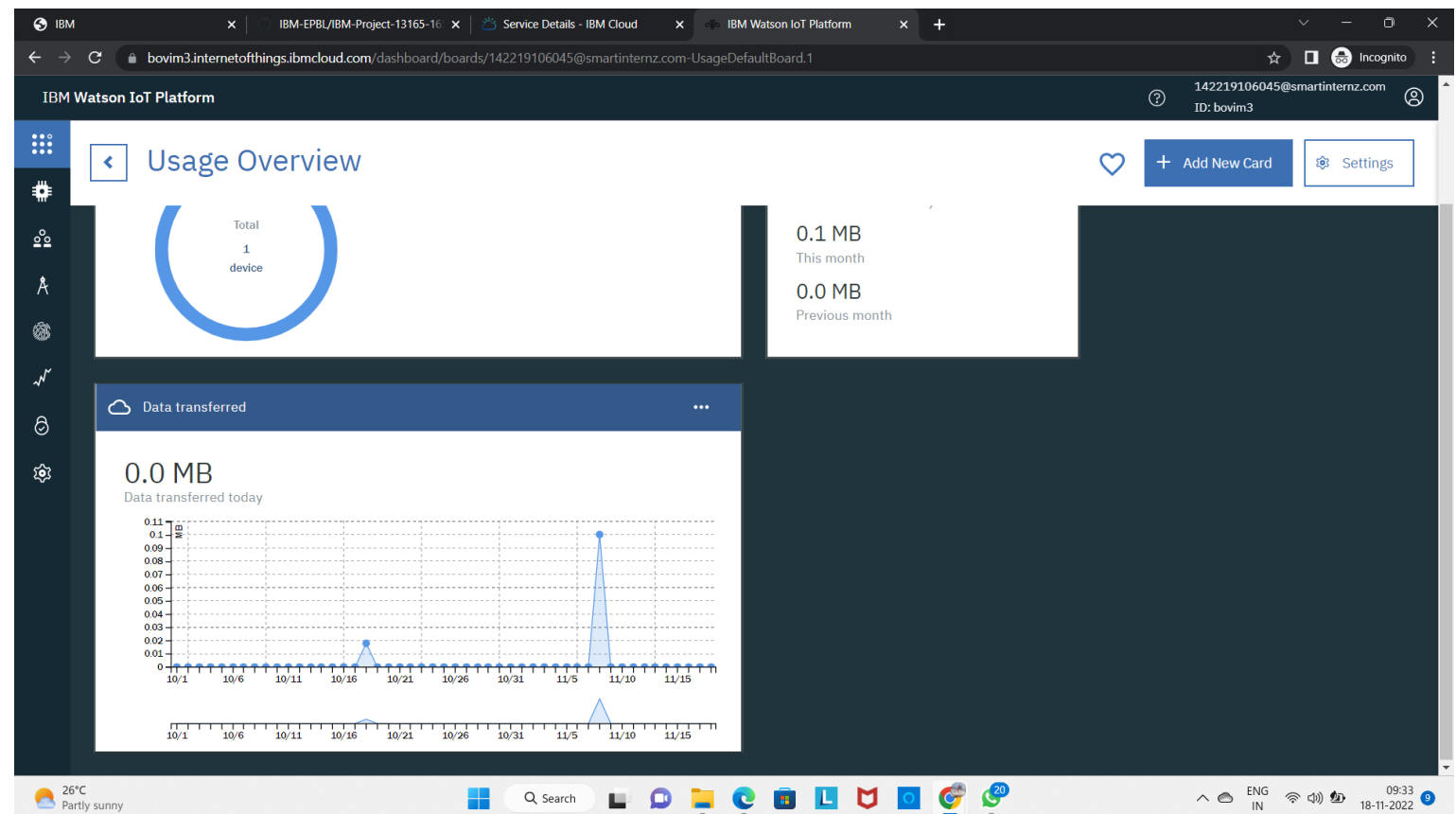
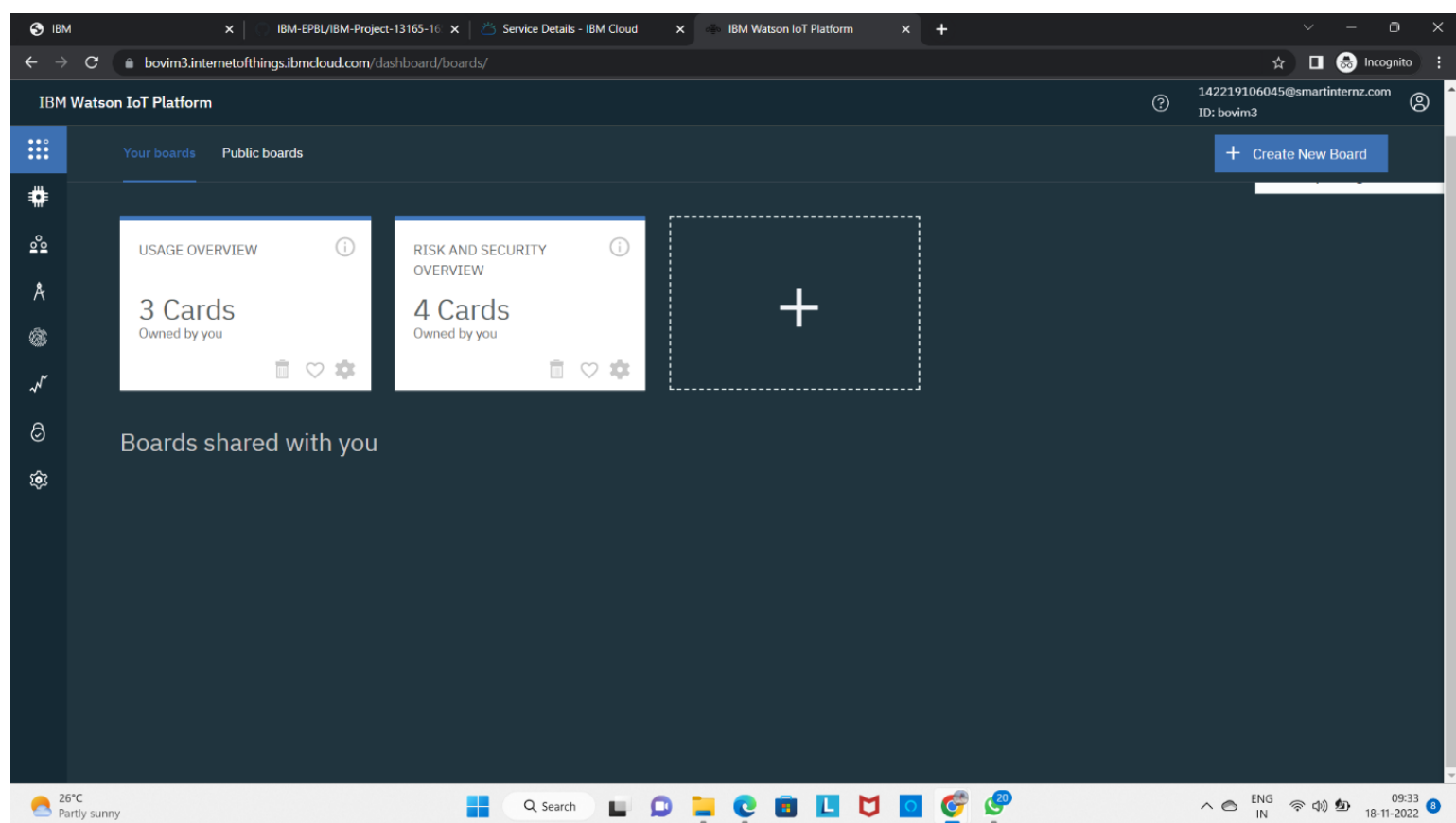
Name	Group	Location	Product	Status	Tags
Internet of Things Platform-mr	Default	Frankfurt	Internet of Things Platform	Active	—

The Windows taskbar at the bottom shows the system clock at 23:43 on 17-11-2022, along with weather information (23°C, Mostly clear) and various application icons.

**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 IBM Cloud console interface. At the top, the browser address bar shows the URL: `cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F835c2ec83cc64cd78b872c83bfbdf681%3Afcdf09b3-5bd1-4295-9d97-76672cda...`. The console header includes the 'IBM Cloud' logo, a search bar, and navigation links for 'Catalog', 'Manage', and 'Ksheeraja S's Acco...'. The main content area is titled 'Internet of Things Platform-mr' with a status of 'Active' and an 'Add tags' link. A sidebar on the left contains links for 'Manage', 'Plan', and 'Connections'. The main content area features a large graphic of a central circle with lines radiating outwards, representing IoT connectivity. Below this graphic, the text 'Let's get started with IBM Watson IoT Platform' is displayed, followed by the description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Two buttons, 'Launch' and 'Docs', are provided. 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 brief description of the service plan. The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying the date and time as 23:45 on 17-11-2022.

**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.







IdentityDevice InformationRecent EventsStateLogs

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 >

1 Simulation running



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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 1New event type +

Event type nameevent\_1Send

Schedule20Every Minute

PayloadSpecify 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

CancelSave

