SPRINT-1

Date	18 November 2022
Team ID	PNT2022TMID06068
Project Name	Smart solutions for railways

Step-1: Creating IBM Cloud:
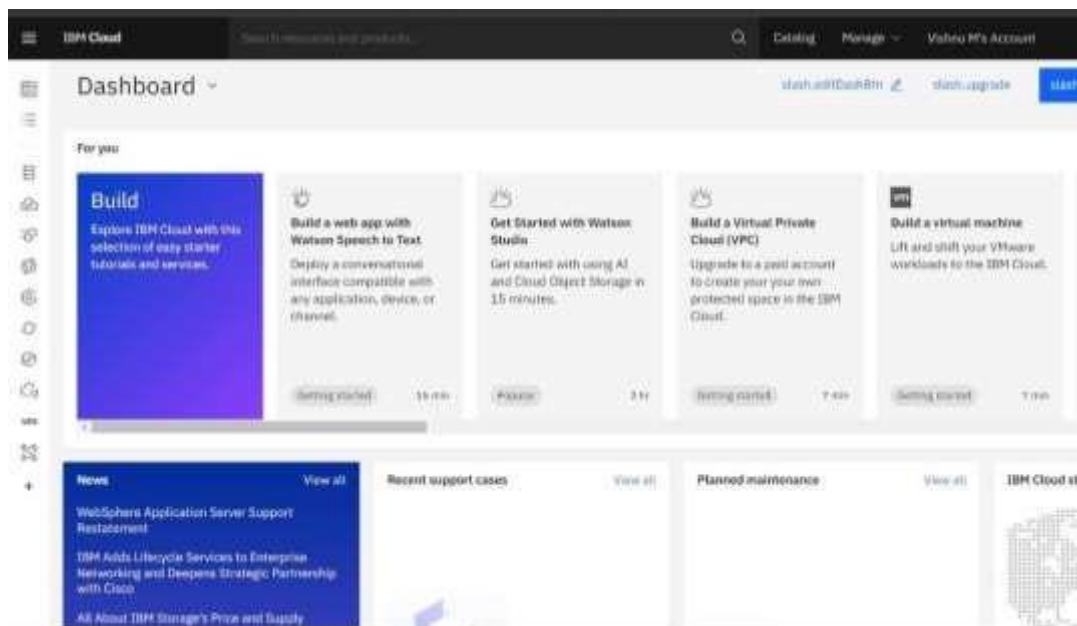
Step-2: Using IBM CLOUD services

IBM Cloud Monitoring
By IBM

Offers visibility into the performance and health of your infrastructure and apps, with in-depth troubleshooting and alerting.

Lite • Free • EU Supported • IAM-enabled • IBM supported

IBM Cognos Dashboard Embedded
By IBM

Build and deliver visually stunning dashboards that accelerate your journey to a data driven business.

Lite • Free • IAM-enabled • IBM supported

IBM Log Analysis
By IBM

IBM Log Analysis provides log collection and log search for IBM Cloud. Define alerts and design custom views to monitor application and system logs.

Lite • Free • EU Supported • IAM-enabled • IBM supported

IBM Match 360 with Watson
By IBM

IBM Match 360 with Watson (Match 360) improves trust in AI pipelines by identifying duplicate records and providing reliable data about your customers, supplier...

Lite • Free • IAM-enabled • IBM supported

Informix
By IBM

IBM Informix on Cloud helps businesses gain a trusted view of data in a hybrid computing environment.

IBM supported

Internet of Things Platform
By IBM

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Lite • Free • IAM-enabled • IBM supported

Internet Services
By IBM

IPSec VPN
By IBM

Key Protect
By IBM

Step-3: Configure the IBM CLOUD service and creating IOT platform

Step4: IBM Watson IOT platform acts as the mediator to connect the web application to IOT devices, hence launching IBM Watson IOT platform.
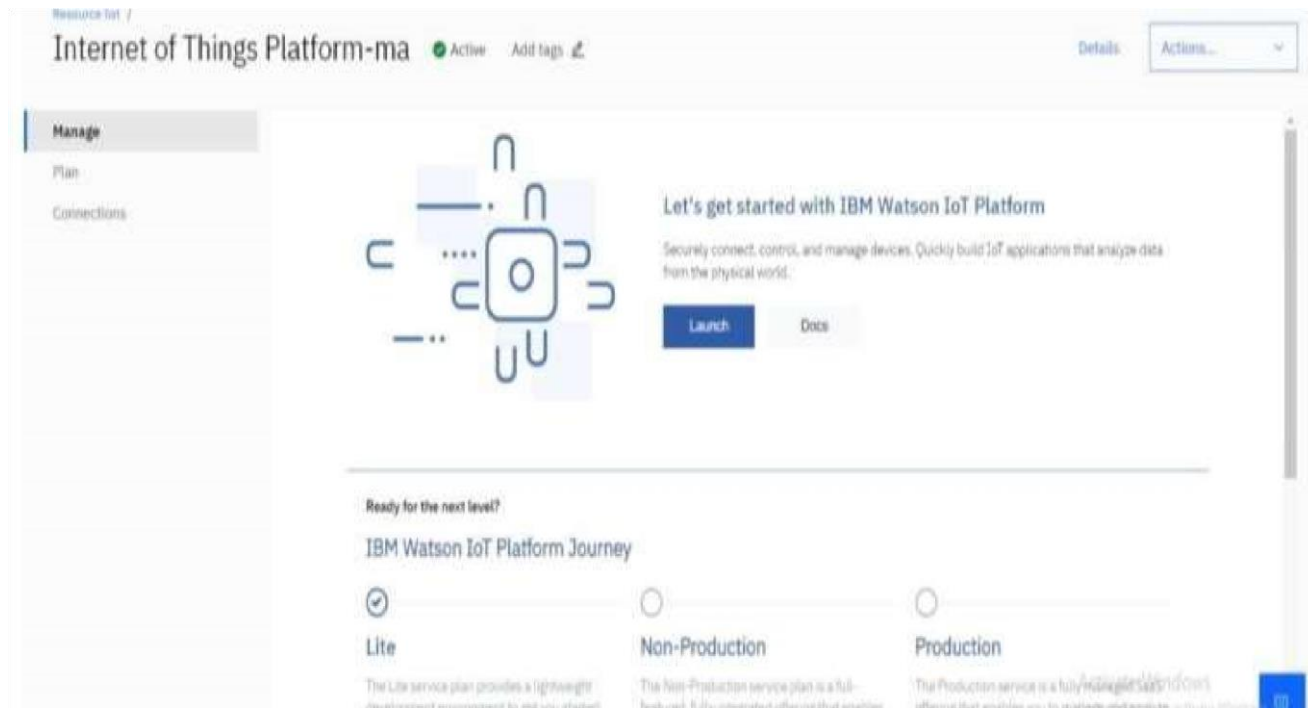
Step 5: IBM Watson IOT platform
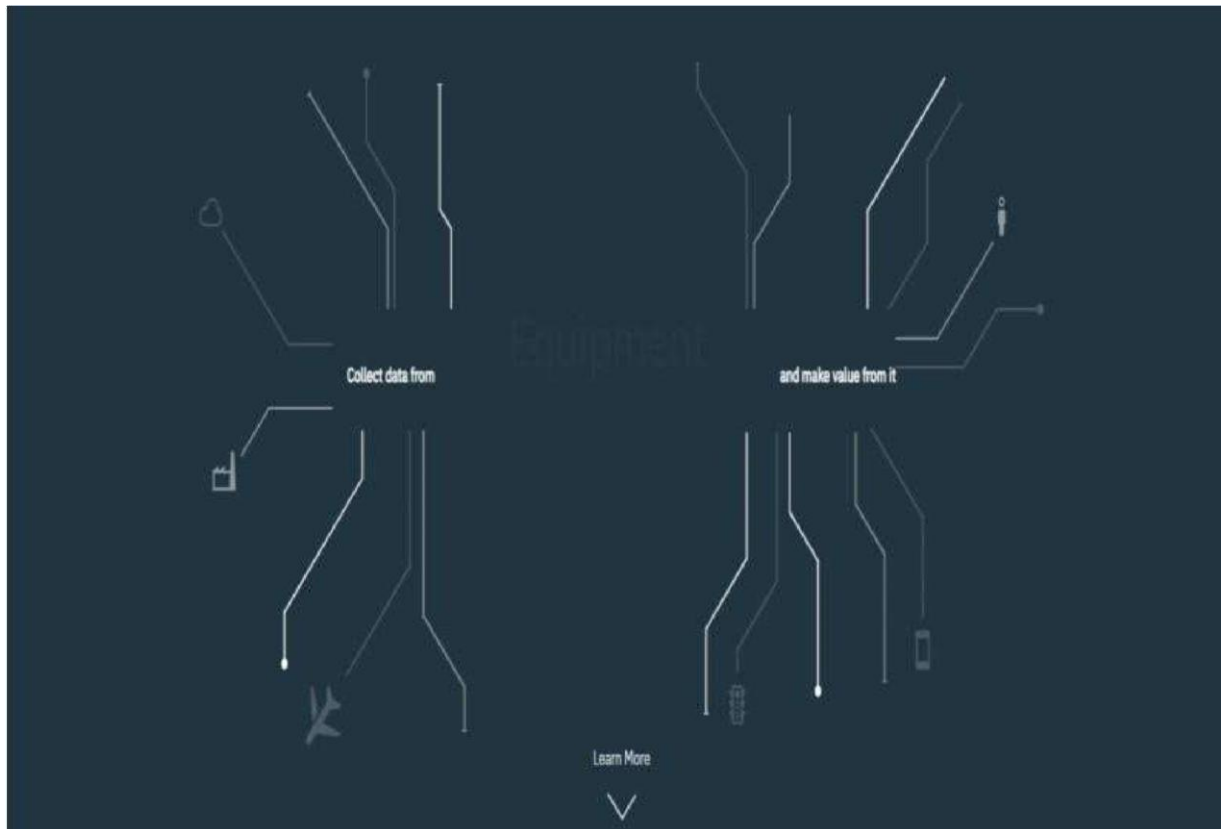
Step 6: In order to connect the IOT device to the IBM cloud , create device in the IBM Watson IOT Platform and get the device credentials.

'Step-7: Connect the device and start simulation

SIMULATION:

The simulation shows the available seats, longitude and latitude.

Device Drilldown - MKSJ16

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Recent Events

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	{"available seats":6,"longitude":-37,"lattitude":-...	json	a few seconds ago
event_1	{"available seats":72,"longitude":123,"lattitude":...	json	a few seconds ago
event_1	{"available seats":66,"longitude":-60,"lattitude":...	json	a few seconds ago
event_1	{"available seats":15,"longitude":-138,"lattitude":...	json	a few seconds ago
event_1	{"available seats":105,"longitude":24,"lattitude":...	json	a few seconds ago

State

This table shows a list of data points that are reported by this device.

1 Simulation running