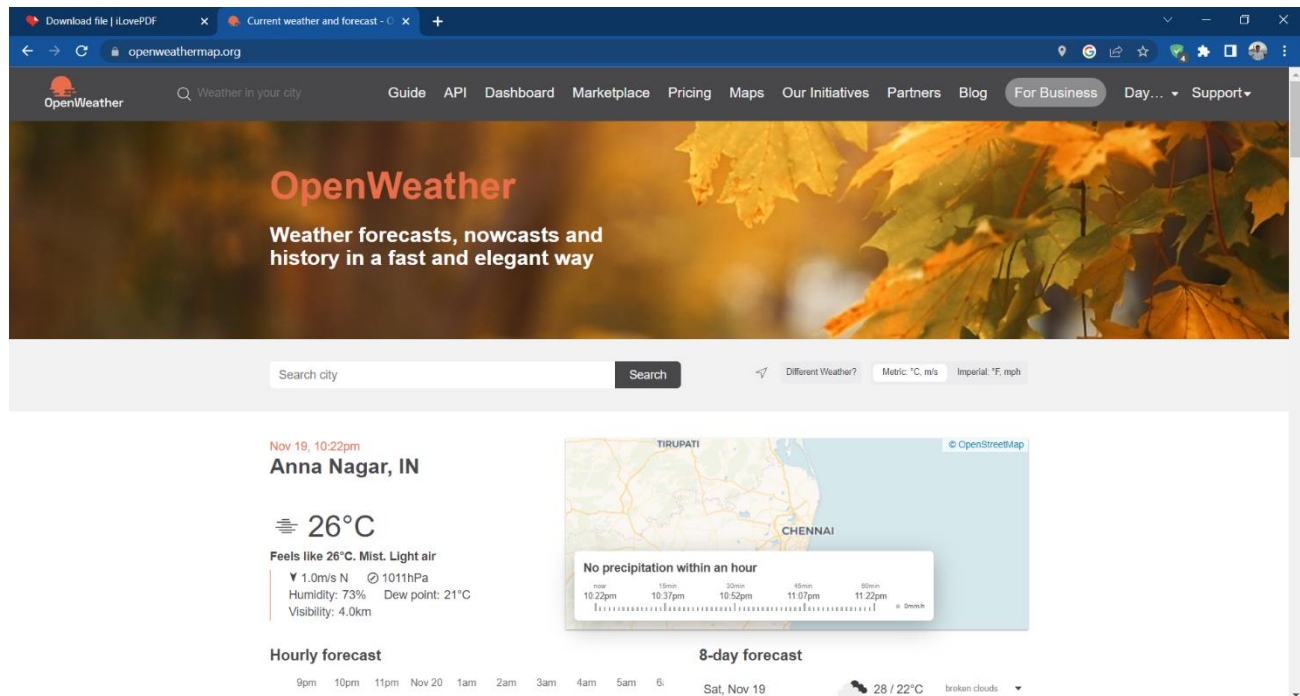


SPRINT 1

TEAM ID	PNT2022TMID22305
PROJECT NAME	Project-Signs with smart connectivity for better road safety

INITIALIZING THE SOFTWARE RESOURCES

OpenWeather Ltd. possesses OpenWeatherMap, a web-based help that gives worldwide climate information through a Programming interface. This information incorporates current, figure, now cast, what's more, authentic climate information for any location. For any area, the organization gives a moment by-minute hyper local precipitation estimate.



```
{
  "coord": {
    "lon": 72.8479,
    "lat": 19.0144
  },
  "weather": [
    {
      "id": 711,
      "main": "Smoke",
      "description": "smoke",
      "icon": "50d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 307.14,
    "feels_like": 306.25,
    "temp_min": 305.09,
    "temp_max": 307.14,
    "pressure": 1010,
    "humidity": 29,
    "visibility": 3000,
    "wind": {
      "speed": 3.09,
      "deg": 30
    },
    "clouds": {
      "all": 87
    },
    "dt": 1668250903,
    "sys": {
      "type": 1,
      "id": 9052,
      "country": "IN",
      "sunrise": 1668215653,
      "sunset": 1668256281,
      "timezone": 19800,
      "id": 1275339,
      "name": "Mumbai",
      "cod": 200
    }
  }
}
```

INITIALISING THE SOFTWARE RESOURCES

IBM Watson IoT platform:

The screenshot displays the IBM Cloud Resource list page. The browser tabs include 'Writer', 'NODE RED SERVICE', 'IBM WATSON IOT PL', 'IBM', 'IBM-Project-5200-16', and 'Resource list - IBM Cl'. The URL is 'cloud.ibm.com/resources'. The page header shows 'IBM Cloud', a search bar, and navigation links for 'Catalog', 'Manage', and the user 'DAYANIDHI S's Account'. The left sidebar contains icons for various services. The main content area is a table with columns: Name, Group, Location, Product, Status, and Tags. The table lists several resource groups: Analytics (0), Blockchain (0), Databases (2), Developer tools (3+), Logging and monitoring (0), Migration (0), Integration (0+), and Internet of Things (1). The 'Internet of Things' group is expanded, showing a resource named 'Internet of Things Platform-4m' with a status of 'Active'.

Name	Group	Location	Product	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
Analytics (0)					
Blockchain (0)					
Databases (2)					
node-red-mevjp-2022--cloudant-...	Default	London	Cloudant	Active	-
node-red-mevjp-2022--cloudant-...	Vel Tech Multi Tech Dr Rangrajan ...	London	Cloudant	Provisioned	-
Developer tools (3+)					
Logging and monitoring (0)					
Migration (0)					
Integration (0+)					
Internet of Things (1)					
Internet of Things Platform-4m	Default	Frankfurt	Internet of Things Platform	Active	-

Writer

NODE RED SERVICE

IBM WATSON IOT PL

IBM

IBM-Project-5200-16

Service Details - IBM

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F0be3317d09334cd5b7462a5742de854e%3A69...

IBM Cloud

Search resources and products...

Catalog

Manage

DAYANIDHI S's Account

Resource list /

Internet of Things Platform-4m

Active

Add tags

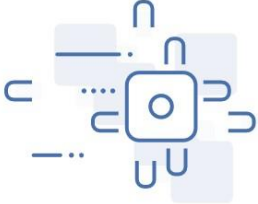
Details

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.

○

Non-Production

The Non-Production service plan is a full-featured, fully integrated offering that enables

○

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze

IBM App Develop

IBM Watson IoT

Writer

IBM WATSON IOT

IBM

IBM-Project-392

cloud.ibm.com

c0mbt9.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

dayanidhi.cse19@veltechmultitech.org

ID: c0mbt9

Browse

Action

Device Types

Interfaces

Add Device

Browse Devices

All Devices

Diagnose

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

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	
<input checked="" type="checkbox"/>	1234	Disconnected	Node	Device	Oct 25, 2022 6:20 PM	→ ...
	Identity	Device Information	Recent Events	State	Logs	×
	Device ID	1234				

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area displays a table of recent events for a device. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. Below the table, there is a pagination control showing 'Items per page: 50' and '1-1 of 1 item'. A status message at the bottom indicates '1 Simulation running'.

Event	Value	Format	Last Received
event_1	{"distance":78}	json	a few seconds ago
event_1	{"distance":82}	json	a few seconds ago
event_1	{"distance":11}	json	a few seconds ago
event_1	{"distance":12}	json	a few seconds ago
event_1	{"distance":100}	json	a few seconds ago

INITIALIZING THE RESOURCES

NODE RED SERVICE

The screenshot shows the IBM Cloud console for a service named 'Node RED MEVJP 2022-11-13'. The service is in a 'Running' state. The left sidebar contains a navigation menu with options like 'Overview', 'Runtime', 'Connections', 'Logs', 'API Management', and 'Autoscaling'. The main content area displays the 'Overview' tab, which includes a 'Health' section showing '100%' and '1/1 instance(s) are running'. There is a slider for 'MB memory per instance' set to 256. A 'Runtime' section shows a donut chart for 'Node.js' with '256' MB allocation and '1.75 GB still available'. A 'Connections' section is visible at the bottom right.

