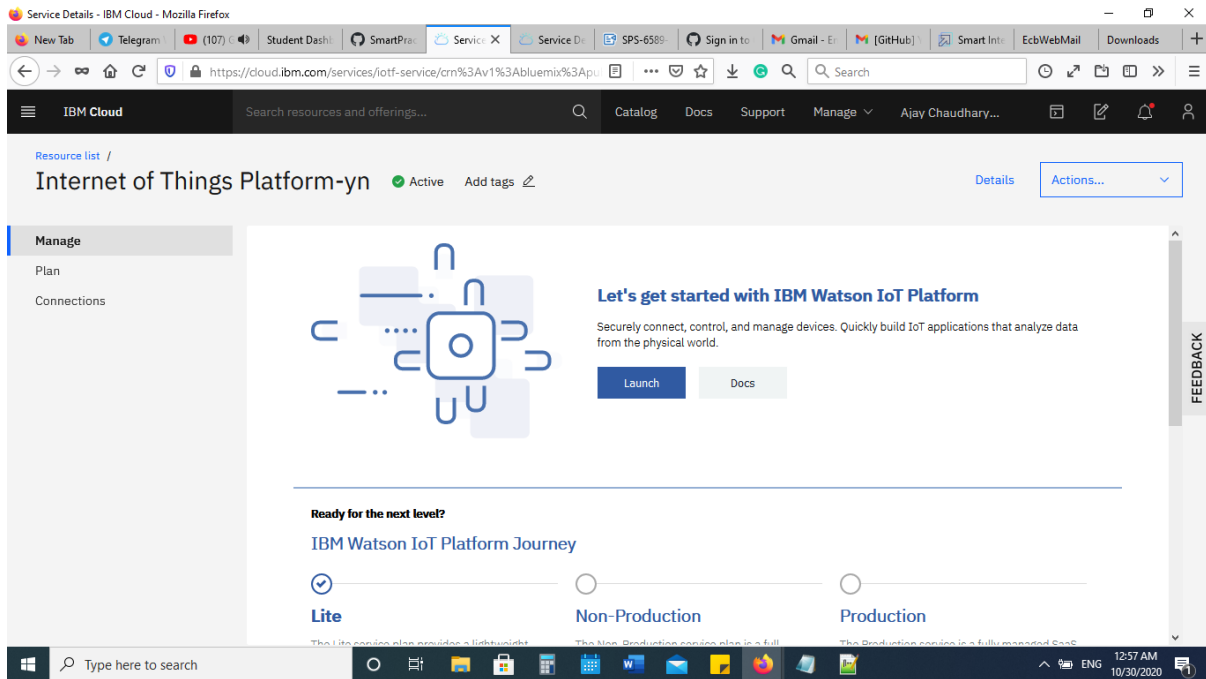# Project Name: Analyze IoT sensor data with machine learning
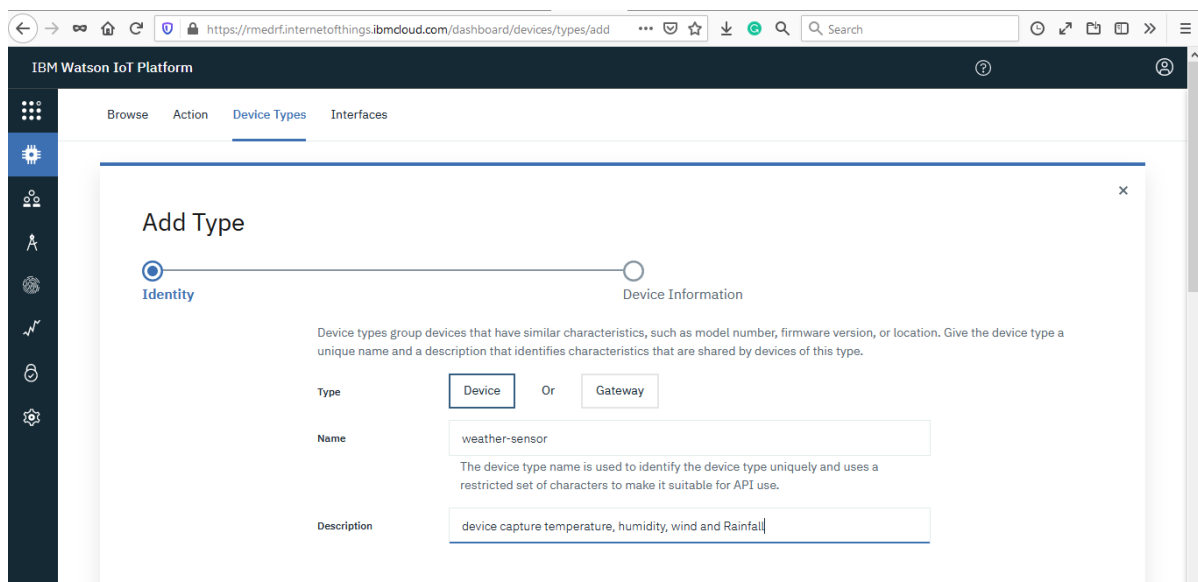
Name : Ajay Chaudhary

Module: Stream Sensor Data

Sub module: Create IBM IOT Platform Service

Sub module: Register and create device Type

Browse   Action   Device Types   Interfaces

Optional

Register Devices, Define Interfaces

Now that you added a device type, you can register and connect devices for this type.

Register Devices

click here

Cancel   Next

Browse   Action   Device Types   Interfaces

○ **Identity** —————— ○ Device Information —————— ○ Security —————— ○ Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type   weather-sensor

Device ID   12345

give ID to your device and than click next

Cancel   Next

Browse Devices

[**All Devices** | Diagnose]

Browse   Action   Device Types   Interfaces

✓ **Identity** —————— ✓ **Device Information** —————— ● **Security** —————— ○ Summary

There are two options for selecting a device authentication token.

Auto-generated authentication token (default)

Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphnumeric characters and symbols. The token is returned to you at the end of the device registration process.

Self-provided authentication token

Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

Authentication Token   [Enter an optional token   ⓘ]   **may leave blank for time being may be allocated by system**

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.

← Back

Device Drilldown - ■ot12345

Device Credentials

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details. ■

Organization ID	rmedrf
Device Type	weather-sensor
Device ID	■12345
Authentication Method	use-token-auth
Authentication Token	████████████

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

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 ⬤ ||| ▽

	Device ID	Status	Device Type	Class ID	Date Added
☐	■12345	⊗ Disconnected	weather-sensor	Device	████

Sub module: Send Simulated data to IBM IoT Platform

⬅ ➡ ∞ ⌂ ↻ | 🛡 🔏 ⊶ watson-iot-sensor-simulator.mybluemix.net   ⋯ ♥ ☆ | ↓ ⊙ 🔍 | 🔍 Search | ⊙ ↗ ▢

Watson IoT Sensor Simulator ■ 12345

Humidity

86%

‹   ›

↓   ↑

swipe left/right for more

○ ● ○

Sub module: Send Simulated data to IBM IoT Platform using device simulator

```
{
    "temperature": 89,
    "humidity": 80,
    "wind": 19,
    "Rainfall": 47
}
```