

SPRINT-2

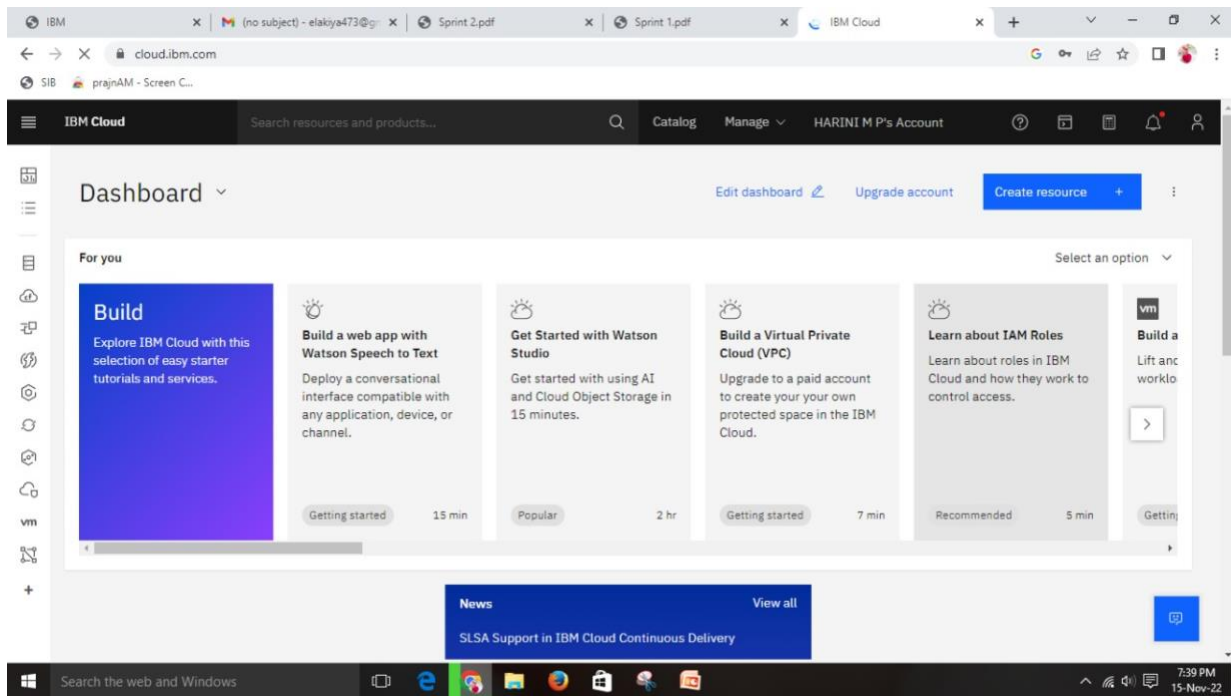
Team ID	PNT2022TMID06920
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
Team member	1. Harini M P 2. Elakiya V 3. Jaishree J 4. Jayapriya P

Goal:

Create and configure the IBM Cloud services.

Step-1

To create a IBM Cloud Services

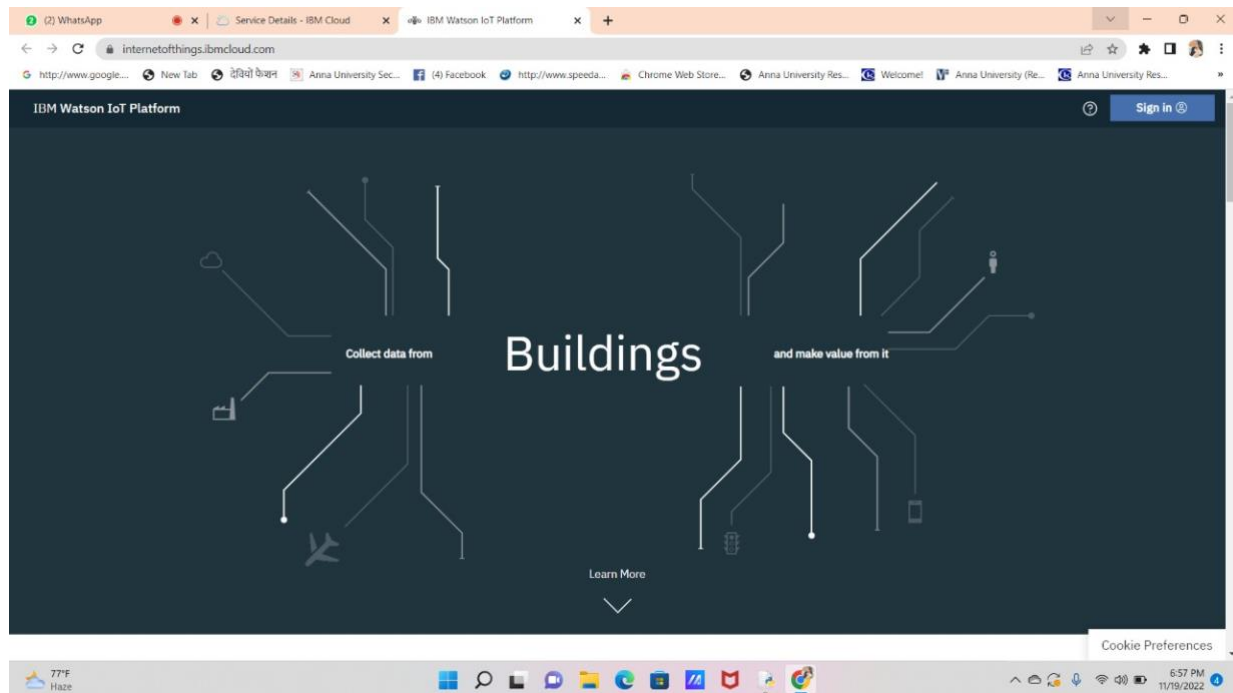


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Step-2

Create IBM Watson IoT Platform And Device

IBM Watson IoT platform acts as the mediator to connect the web application to IoT device, so create the IBM Watson IoT platform.



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In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credential

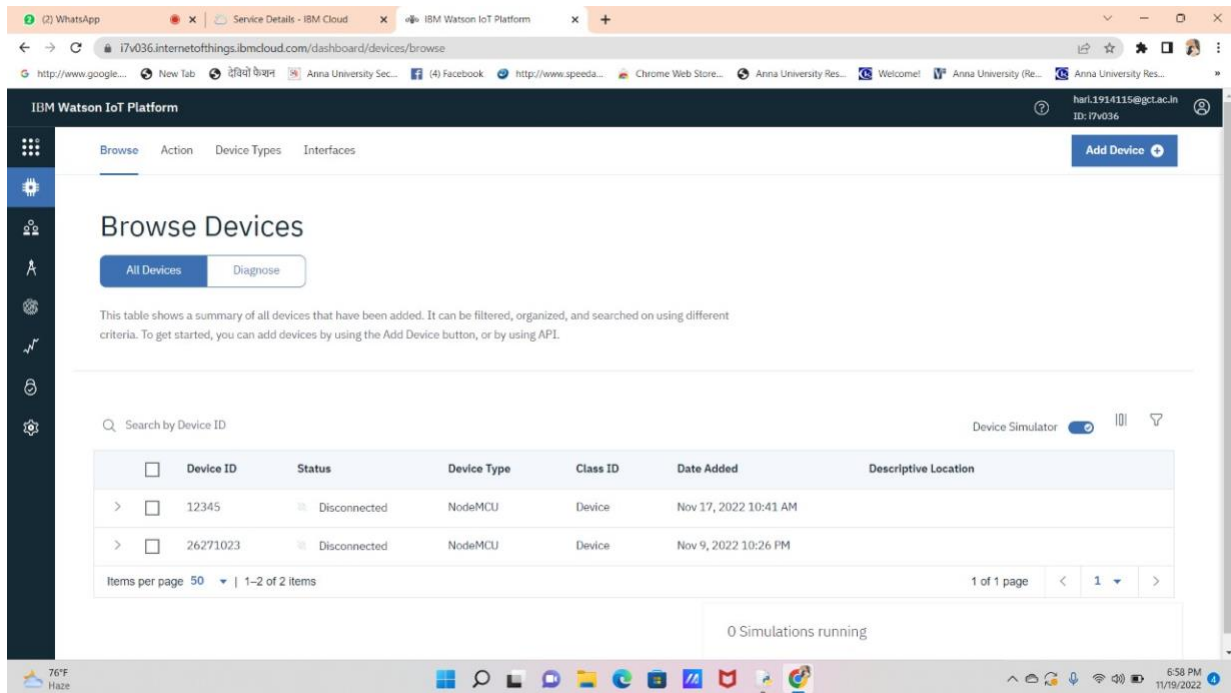
The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area shows a list of devices. The first device, ID 12345, is 'Connected' and is a 'NodeMCU' type. It was last updated on 'Nov 17, 2022 10:41 AM'. Below the device list, the 'Recent Events' tab is selected, showing a table of data events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. Three events are listed, all with a 'status' event type and a JSON value containing location and temperature data. The second device, ID 26271023, is 'Disconnected' and was last updated on 'Nov 9, 2022 10:26 PM'. At the bottom, there is a pagination control showing 'Items per page 50' and '1-2 of 2 items', and a status indicator '0 Simulations running'.

Event	Value	Format	Last Received
status	{"name":"child","lat":34,"lon":41,"temp":83,"fenc...	json	a few seconds ago
status	{"name":"child","lat":34,"lon":27,"temp":75,"fenc...	json	a few seconds ago
status	{"name":"child","lat":16,"lon":94,"temp":98,"fenc...	json	a few seconds ago

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Step-3

Integrate the python code with IBM Watson IoT Platform.



IBM Watson IoT Platform

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	Descriptive Location
12345	Disconnected	NodeMCU	Device	Nov 17, 2022 10:41 AM	
26271023	Disconnected	NodeMCU	Device	Nov 9, 2022 10:26 PM	

Items per page: 50 | 1-2 of 2 items

1 of 1 page

0 Simulations running

Step-4

Create board in IBM Watson IoT Platform.

