

Project Development – Sprint 2

Iot Based Safety For Child Safety Monitoring & Notification

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Creating and connecting IBM cloud for Project ad Python Code

Creating IBM Cloud Service and Creating the Device :

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar shows the user is logged in as 'rdgk (ID rdegk) Bluemix Free'. The main dashboard area features a 'Collect data from' and 'and make value from it' section. Below this, there is a 'About cookies on this site' notification with 'Accept all' and 'Required only' buttons.

The bottom section of the dashboard shows the 'Devices' tab with a table of devices. The table has columns for Device ID, Status, Device Type, Class ID, and Date Added. A device named 'gad1' is listed with a status of 'Connected' and a device type of 'safetygad'.

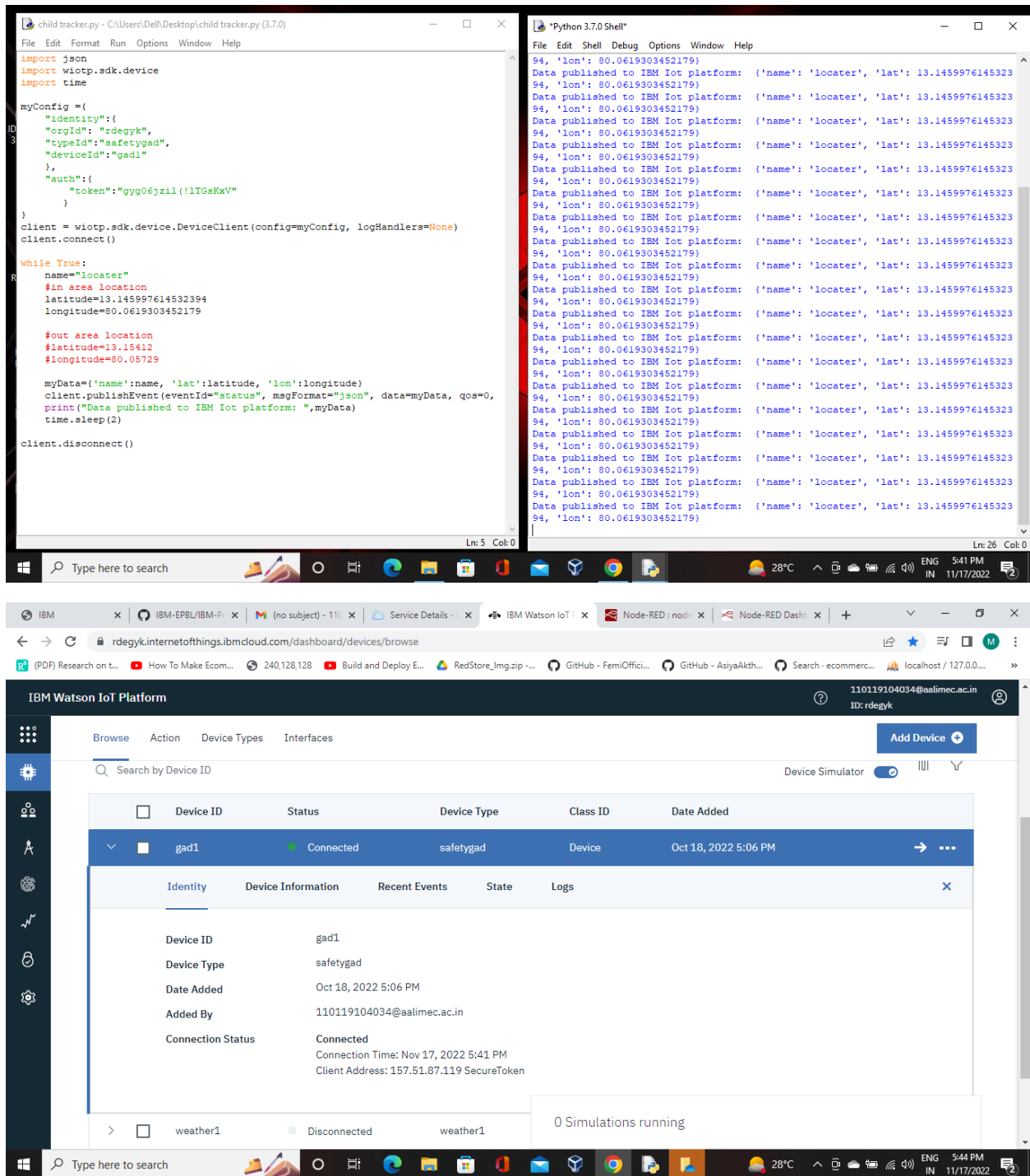
Device ID	Status	Device Type	Class ID	Date Added
gad1	Connected	safetygad	Device	Oct 18, 2022 5:06 PM

Below the table, the 'Identity' tab is selected, showing details for the device 'gad1':

- Device ID: gad1
- Device Type: safetygad
- Date Added: Oct 18, 2022 5:06 PM
- Added By: 110119104034@aalimec.ac.in
- Connection Status: Connected
- Connection Time: Nov 17, 2022 5:41 PM
- Client Address: 157.51.87.119 SecureToken

The bottom of the dashboard shows a 'Simulations' section with a button to 'Add Device' and a status '0 Simulations running'.

In-Area Location:



The image displays a computer screen with three main windows:

- Python Script (Left):** A code editor showing a Python script for connecting to the IBM Watson IoT Platform. The script imports `json`, `wiot.sdk.device`, and `time`. It defines a `myConfig` dictionary with identity and authentication details. A `DeviceClient` is created and connected. A `while True` loop publishes location data (latitude and longitude) as JSON messages every 2 seconds. The script ends with `client.disconnect()`.
- Terminal (Right):** A terminal window showing the output of the script. It displays a series of messages: "Data published to IBM Iot platform: {'name': 'locater', 'lat': 13.15412, 'lon': 80.05729}" repeated multiple times.
- IBM Watson IoT Platform Dashboard (Bottom):** The dashboard interface for the IBM Watson IoT Platform. It shows a list of devices, with one device named "gad1" in a "Connected" state. The dashboard also displays details for the selected device, including its identity, device information, recent events, state, and logs. The "Add Device" button is visible in the top right corner.