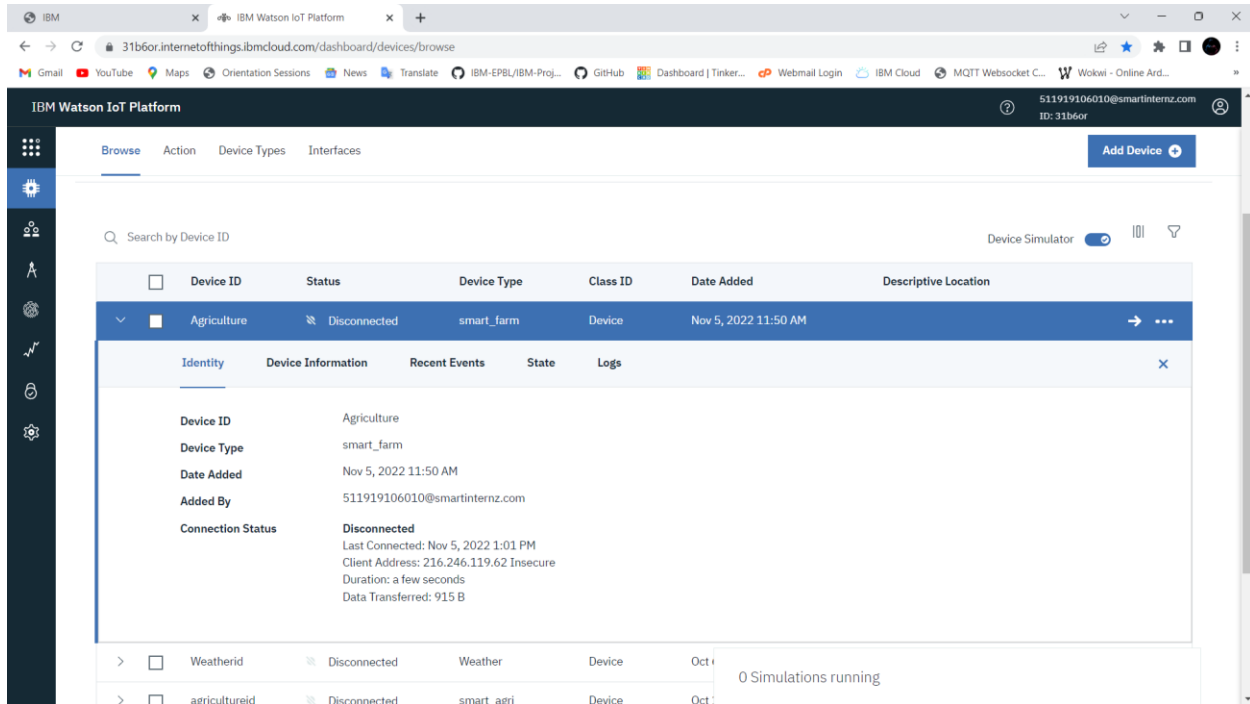


Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Team ID	PNT2022TMID40121

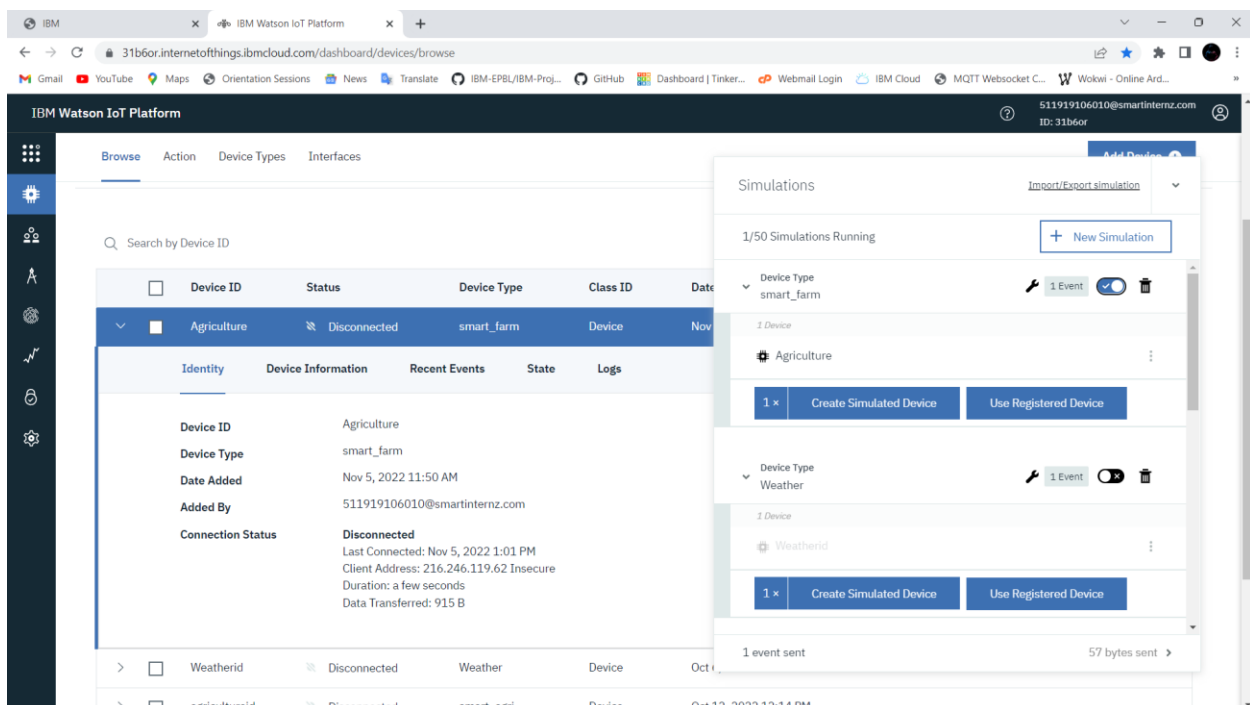
Create The IBM Watson IoT Platform And A Device



The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present with the text 'Search by Device ID'. The main content area displays a table of devices:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
Agriculture	Disconnected	smart_farm	Device	Nov 5, 2022 11:50 AM	
Weatherid	Disconnected	Weather	Device	Oct 12, 2022 12:14 PM	
agricultureid	Disconnected	smart_agri	Device	Oct 12, 2022 12:14 PM	

A detailed view of the 'Agriculture' device is shown, including its identity, device information, recent events, state, and logs. The device is currently disconnected. The connection status shows: Last Connected: Nov 5, 2022 1:01 PM, Client Address: 216.246.119.62 Insecure, Duration: a few seconds, Data Transferred: 915 B.



The screenshot shows the IBM Watson IoT Platform dashboard with the 'Simulations' panel open. The panel displays '1/50 Simulations Running' and a '+ New Simulation' button. Below this, there are two sections for creating simulated devices:

- Device Type smart_farm:** Shows 1 device, 'Agriculture'. Options: '1 x Create Simulated Device' and 'Use Registered Device'.
- Device Type Weather:** Shows 1 device, 'Weatherid'. Options: '1 x Create Simulated Device' and 'Use Registered Device'.

The bottom of the panel shows '1 event sent' and '57 bytes sent'.

IBM Watson IoT Platform

Device Type: smart_farm

Events 1

Event type name: event_1

Schedule: 20 Every Minute

Payload

```
{
  "Temperature": random(0, 100),
  "Humidity": random(0, 100),
  "Soil_Moisture": random(0, 100),
  "Water_level": random(0, 100)
}
```

Cancel Save

Event	Value	Format	Last Received
event_1	{"Temperature":28,"Humidity":88,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":38,"Humidity":71,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":41,"Humidity":10,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":26,"Humidity":88,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":19,"Humidity":91,"Soil_Moisture":...}	json	a few seconds ago

IBM Watson IoT Platform

Device ID: 31b6or

Device Type: smart_farm

Device Status: Disconnected

Device Class ID: Device

Device Date Added: Nov 5, 2022 11:50 AM

Device Descriptive Location: Agriculture

Events 1

Event type name: event_1

Schedule: 20 Every Minute

Payload

```
{
  "Temperature": random(0, 100),
  "Humidity": random(0, 100),
  "Soil_Moisture": random(0, 100),
  "Water_level": random(0, 100)
}
```

Cancel Save

Event	Value	Format	Last Received
event_1	{"Temperature":62,"Humidity":38,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":53,"Humidity":52,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":33,"Humidity":25,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":71,"Humidity":2,"Soil_Moisture":...}	json	a few seconds ago
event_1	{"Temperature":41,"Humidity":18,"Soil_Moisture":...}	json	a few seconds ago

1 Simulation running