

## CREATE AND CONFIGURE IBM CLOUD SERVICES

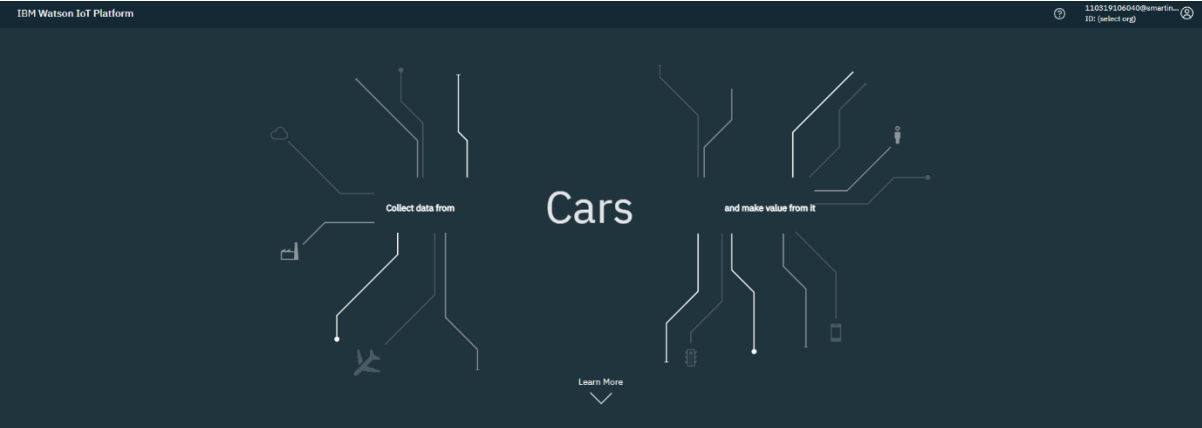
Date	02 November 2022
Team ID	PNT2022TMID36144
Project Name	Smart Farmer- IOT Enabled Smart Farming Application

Task:

Create The IBM Wastson IOT Platform and a Device,

Step 1:

Login IOT In Watson Platform



The screenshot shows the IBM Watson IoT Platform dashboard. It features a dark blue header with the platform name and user information. The main area has a large graphic with the word 'Cars' in the center, flanked by icons representing data collection and value creation. Below this, there's a 'Learn More' link. To the right, there's a section titled 'Powerful web dashboard' with a description of the platform's flexibility and ease of use, and a 'Cookie Preferences' button.

IBM Watson IoT Platform

110319106040@marin...  
ID: (select org)

Collect data from

Cars

and make value from it

Learn More

Powerful web dashboard

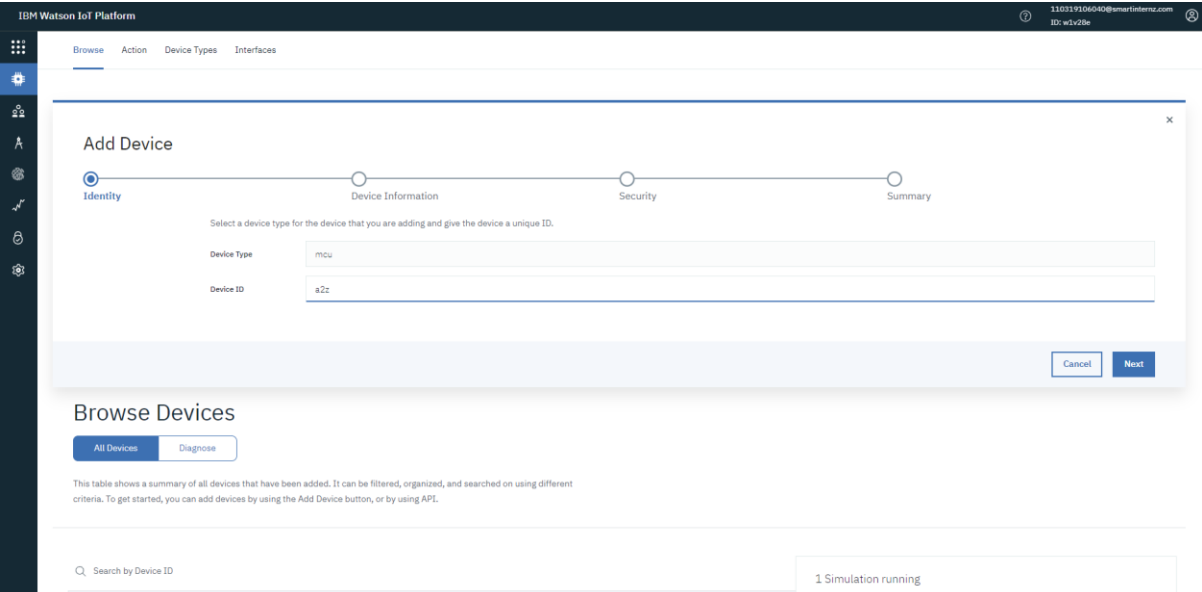
Flexible, scalable and easy to use

We provide a clean and simple UI where you can simply and easily add and manage your devices, control access to your IoT service, and monitor your usage. See at a glance the things you are interested in.

Cookie Preferences

Step 2:

Create a Device in IOT platform



The screenshot shows the 'Add Device' dialog box in the IBM Watson IoT Platform. The dialog has a progress bar with four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active, showing fields for 'Device Type' (set to 'm2u') and 'Device ID' (set to 'a2z'). Below the dialog, there's a 'Browse Devices' section with a table showing a summary of all devices. The table has columns for 'Device ID', 'Name', and 'Last Seen'. A search bar is at the bottom, and a status indicator shows '1 Simulation running'.

IBM Watson IoT Platform

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ID: wlv28e

Browse Action Device Types Interfaces

Add Device

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 m2u

Device ID a2z

Cancel Next

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

1 Simulation running

Step 3:

Simulation in the created Device Simulator,

The screenshot displays the IBM Watson IoT Platform interface. On the left, a sidebar contains navigation icons. The main area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A device with ID 'sk40' is selected, and its details are shown in a modal window. The modal includes a 'Device Type' dropdown set to 'raspberrypi', an 'Events' section with a 'New event type' button, and a 'Payload' section with a JSON payload: 

```
{ 1: "randomNumber": random(0, 100), 2: "temp": random(10, 90), 3: "hum": random(0, 100), 4: }
```

. The 'Schedule' section is set to 'Every Minute'. The 'Recent Events' tab is active, showing a table with columns: Event, Value, Format, and Last Received. The table contains one event: 'ben' with value '["randomNumber":52,"temp":56,"hum":89]' in JSON format, received 'a few seconds ago'. The bottom of the modal has 'Cancel' and 'Save' buttons.

Step 4:

And Create Chart Cards in IBM Watson IOT Platform,

The screenshot shows a dashboard titled 'test' in the IBM Watson IoT Platform. The dashboard contains three chart cards: a 'Line chart' showing temperature and humidity over time, a 'Donut chart' showing a total of 19 °C, and a 'Gauge' showing a value of 90.0 %. The 'Line chart' has a time range of 5 minutes and shows data for 'temp' and 'hum'. The 'Donut chart' shows a total of 19 °C. The 'Gauge' shows a value of 90.0 %. The bottom of the dashboard has a status bar that says '1 Simulation running'.