IBM Watson IoT Platform and Device

- It is 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.
- It can do some:

Device Management

- Using our device management service, you can perform device actions like rebooting or updating firmware, receive device diagnostics and metadata, or perform bulk device addition and removal.

Responsive, scalable connectivity

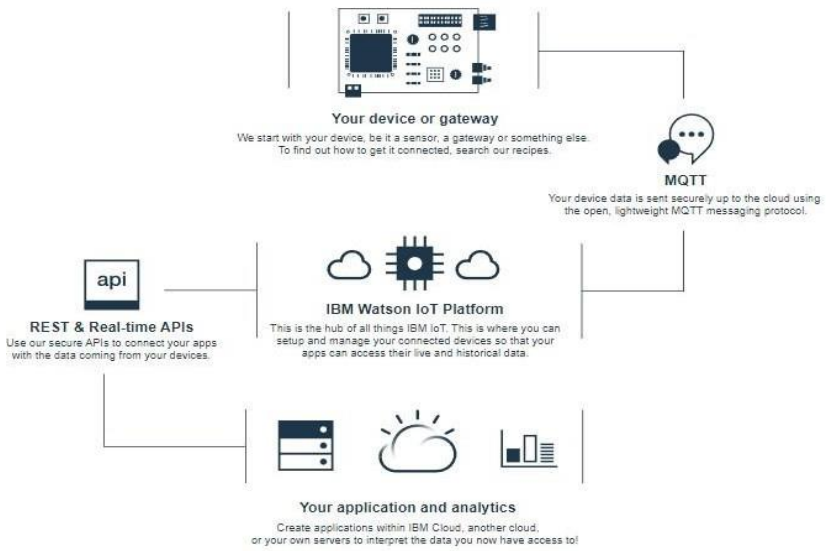
- We use the industry-standard MQTT protocol (OASIS ratified) to connect devices and applications. MQTT is designed for efficient exchange of data to and from devices in real-time.

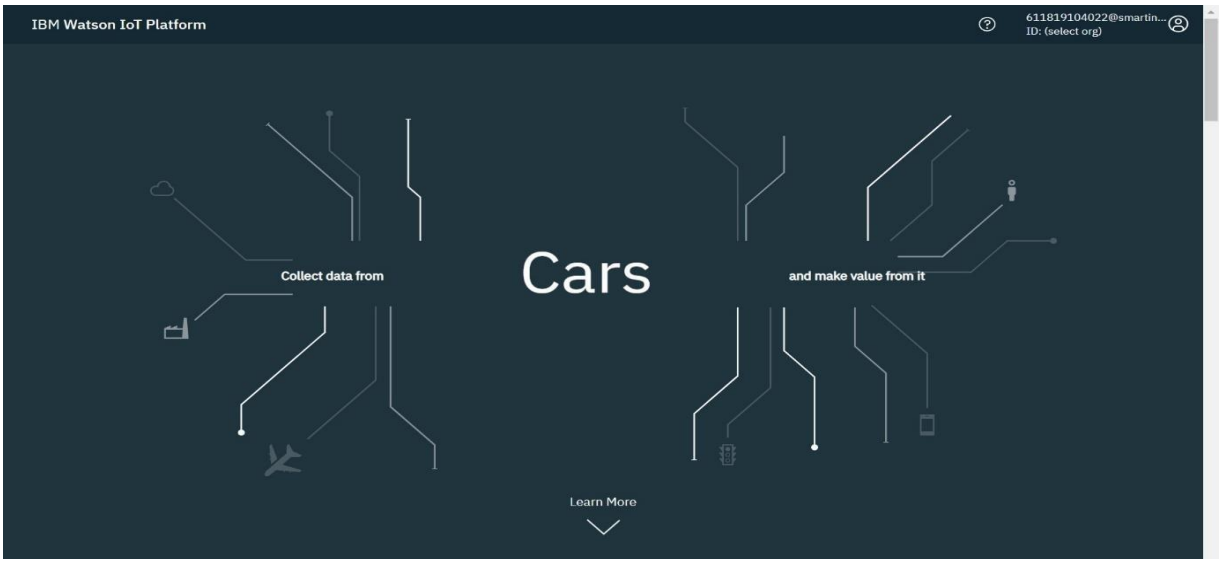
Secure Communication

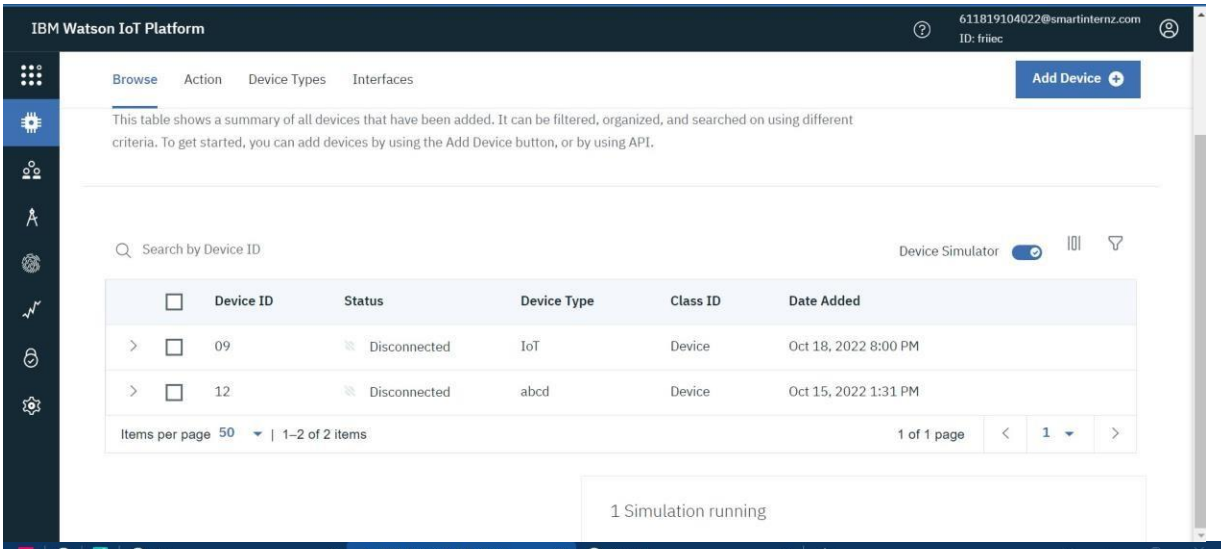
- Securely receive data from and send commands to your devices. Do this using MQTT with TLS to secure all communication between your devices and our service.

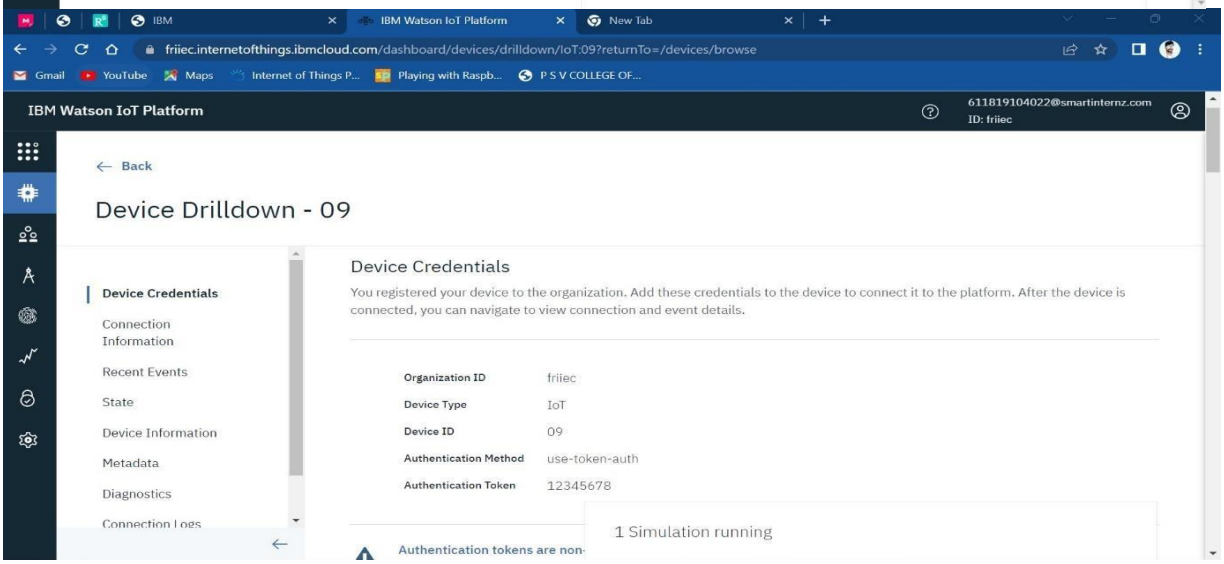
Data lifecycle management

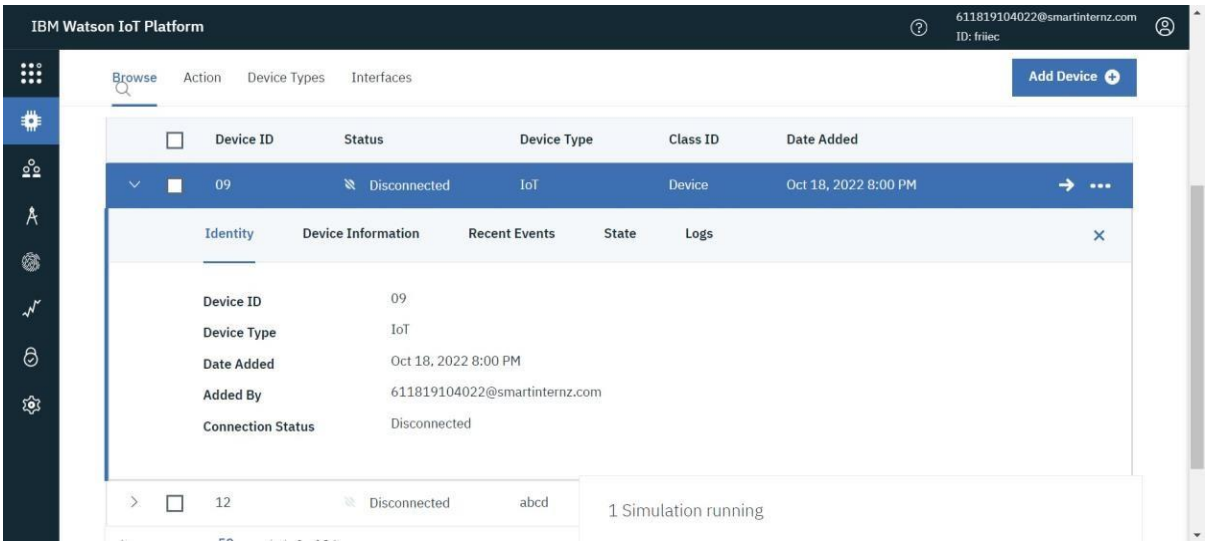
- As well as having access to real-time data coming from your devices, you can opt to store data for a period of your choice, allowing you to have access to historical and real-time data for your devices.

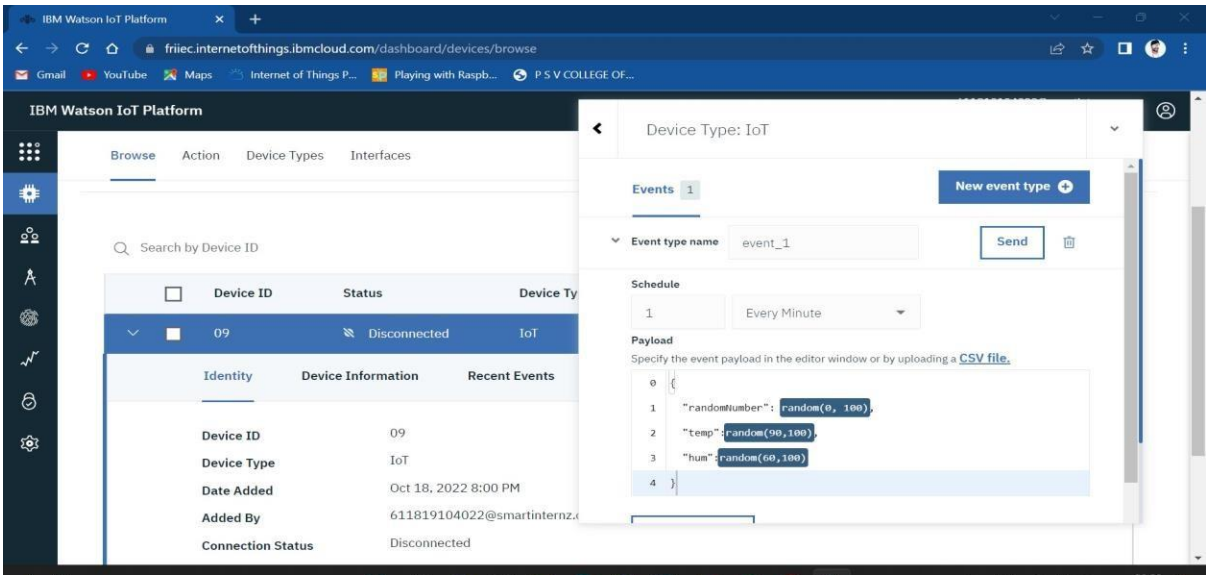


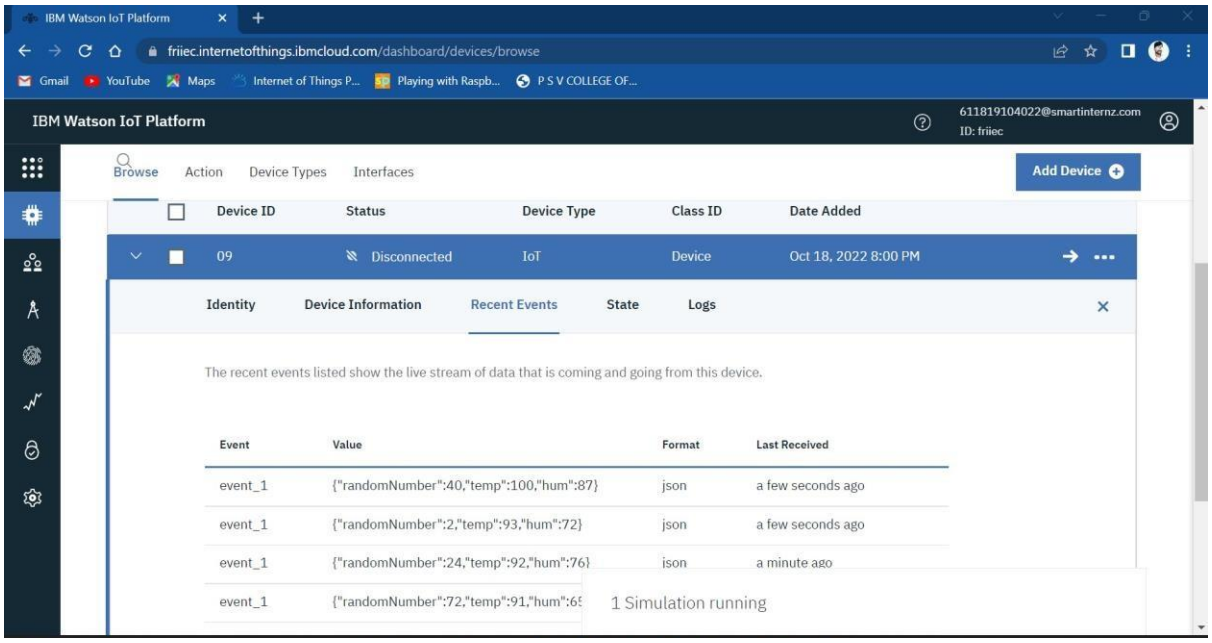

IBM Watson IoT Platform
611819104022@smartin...
ID: (select org)
Collect data from
Cars
and make value from it
Learn More

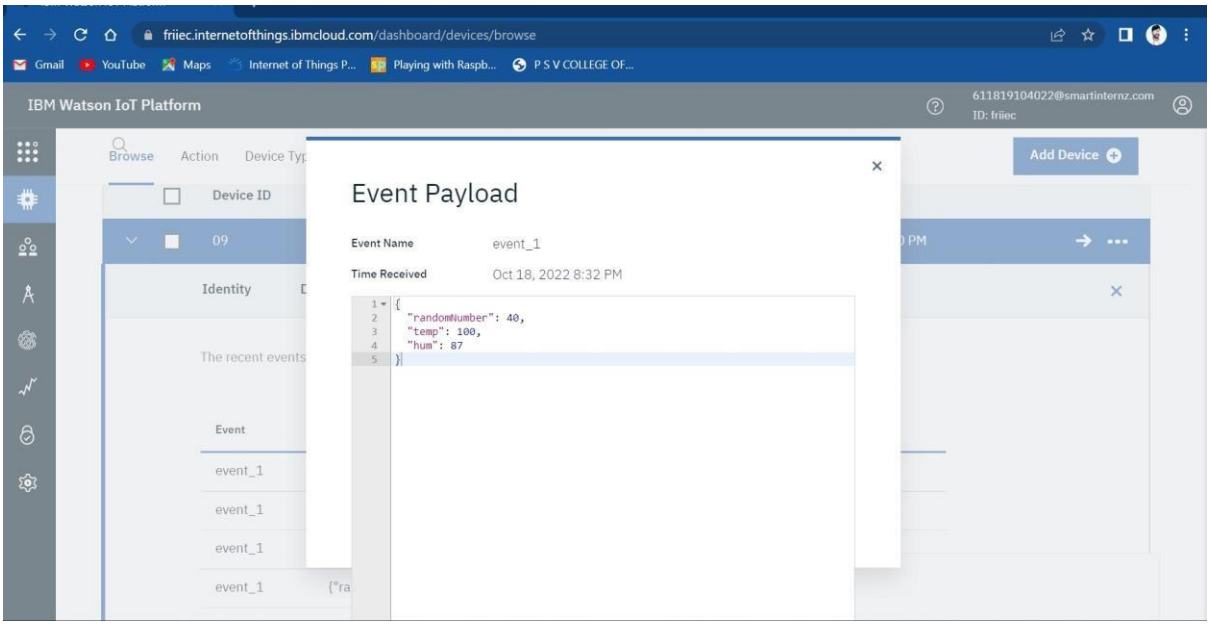

IBM Watson IoT Platform
611819104022@smartinternz.com
ID: friiec
Browse
Action
Device Types
Interfaces
Add Device
This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
09
Disconnected
IoT
Device
Oct 18, 2022 8:00 PM
12
Disconnected
abcd
Device
Oct 15, 2022 1:31 PM
Items per page 50
1–2 of 2 items
1 of 1 page
1
1 Simulation running


IBM
IBM Watson IoT Platform
New Tab
friiec.internetofthings.ibmcloud.com/dashboard/devices/drilldown/IoT:09?returnTo=/devices/browse
Gmail
YouTube
Maps
Internet of Things P...
Playing with Raspb...
P S V COLLEGE OF...
IBM Watson IoT Platform
611819104022@smartinternz.com
ID: friiec
Back
Device Drilldown - 09
Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection Logs
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
friiec
Device Type
IoT
Device ID
09
Authentication Method
use-token-auth
Authentication Token
12345678
1 Simulation running
Authentication tokens are non-


IBM Watson IoT Platform
611819104022@smartinternz.com
ID: friiec
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
09
Disconnected
IoT
Device
Oct 18, 2022 8:00 PM
Identity
Device Information
Recent Events
State
Logs
Device ID
09
Device Type
IoT
Date Added
Oct 18, 2022 8:00 PM
Added By
611819104022@smartinternz.com
Connection Status
Disconnected
12
Disconnected
abcd
1 Simulation running


IBM Watson IoT Platform
friiec.internetofthings.ibmcloud.com/dashboard/devices/browse
Gmail
YouTube
Maps
Internet of Things P...
Playing with Raspb...
P S V COLLEGE OF...
Browse
Action
Device Types
Interfaces
Search by Device ID
Device ID
Status
09
Disconnected
IoT
Identity
Device Information
Recent Events
Device ID
09
Device Type
IoT
Date Added
Oct 18, 2022 8:00 PM
Added By
Connection Status
Disconnected
Device Type: IoT
Events 1
New event type
Event type name
event_1
Send
Schedule
1
Every Minute
Payload
Specify the event payload in the editor window or by uploading a CSV file.
{
"randomNumber": random(0, 100),
"temp":random(90,100),
"hum":random(60,100)
}


IBM Watson IoT Platform
friiec.internetofthings.ibmcloud.com/dashboard/devices/browse
Gmail
YouTube
Maps
Internet of Things P...
Playing with Raspb...
P S V COLLEGE OF...
IBM Watson IoT Platform
611819104022@smartinternz.com
ID: friiec
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
09
Disconnected
IoT
Device
Oct 18, 2022 8:00 PM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
event_1
{"randomNumber":40,"temp":100,"hum":87}
json
a few seconds ago
event_1
{"randomNumber":2,"temp":93,"hum":72}
json
a few seconds ago
event_1
{"randomNumber":24,"temp":92,"hum":76}
json
a minute ago
event_1
{"randomNumber":72,"temp":91,"hum":6
1 Simulation running



Thus we created IBM Watson IoT Platform and Device.

Submitted by:

V.JAYARAHUL,

T.S.KAVIN,

M.GANGADHARAN,

C.SRINIVASAN.