CREATE IBM WATSON IOT PLATFORM AND DEVICE

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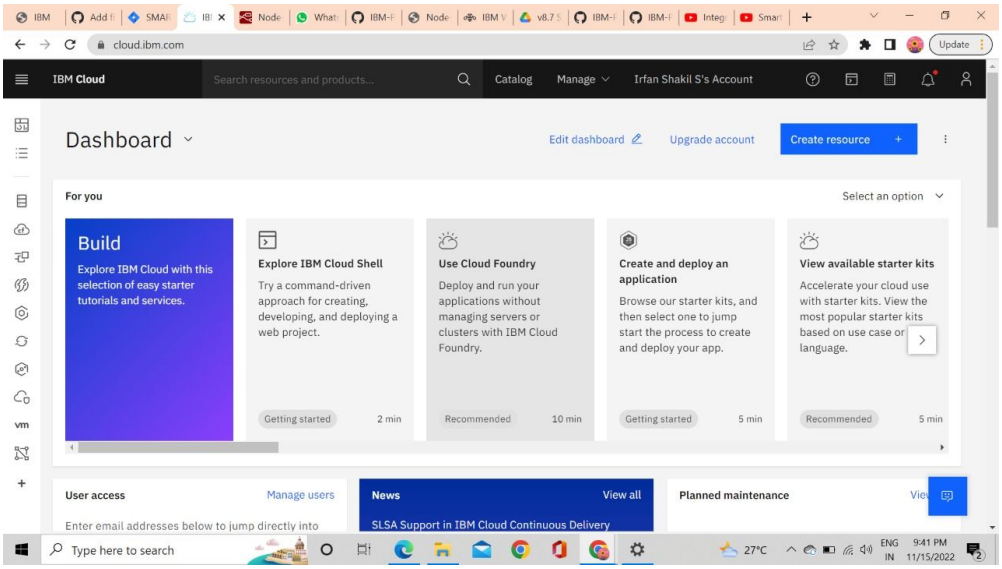
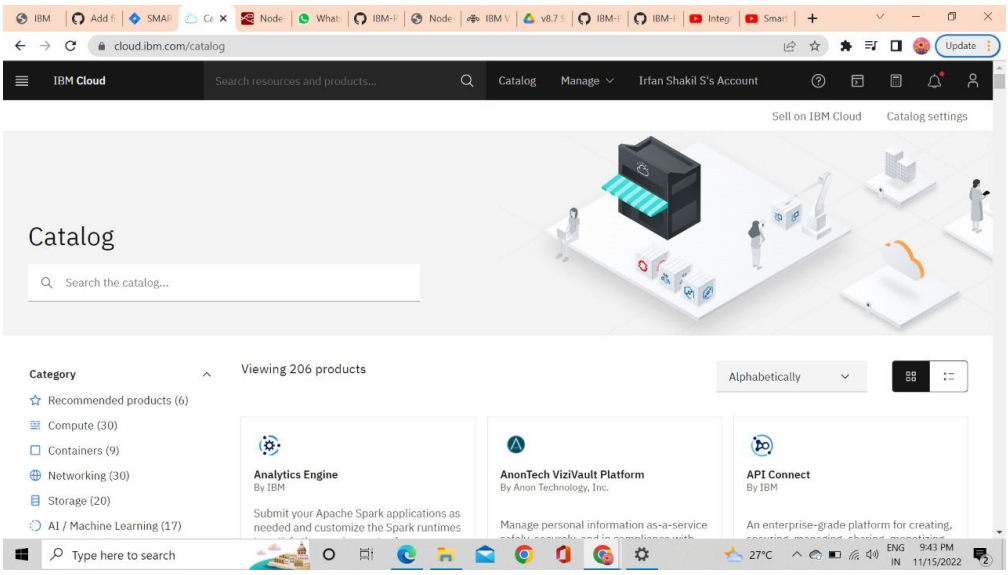
TEAM MEMBERS : Harrish Kumar S(Team leader)
Hariharasudhan A
Irfanshakil S
Joshiba M

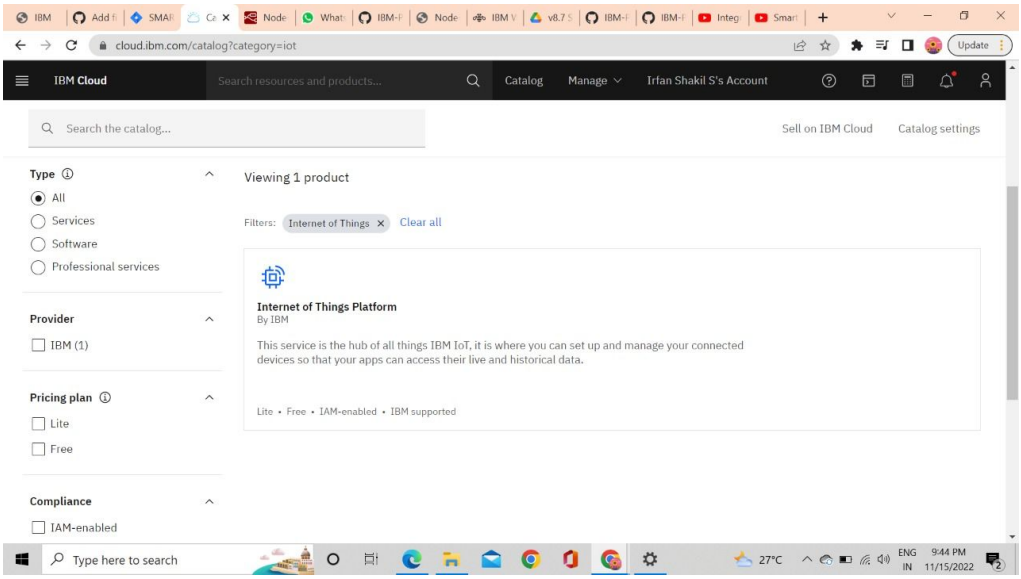
Project : Smart Solution For Railways

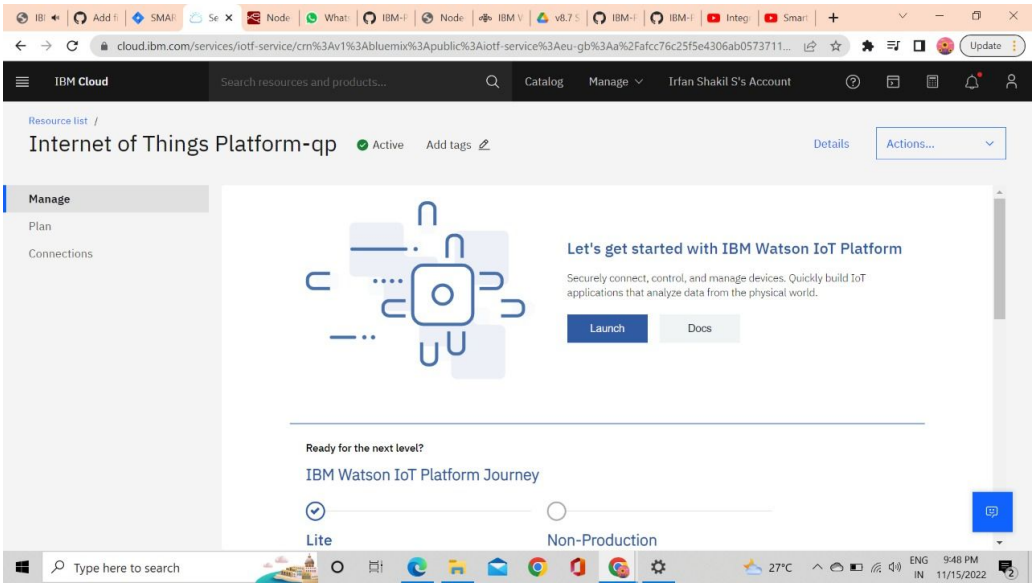
AIM:

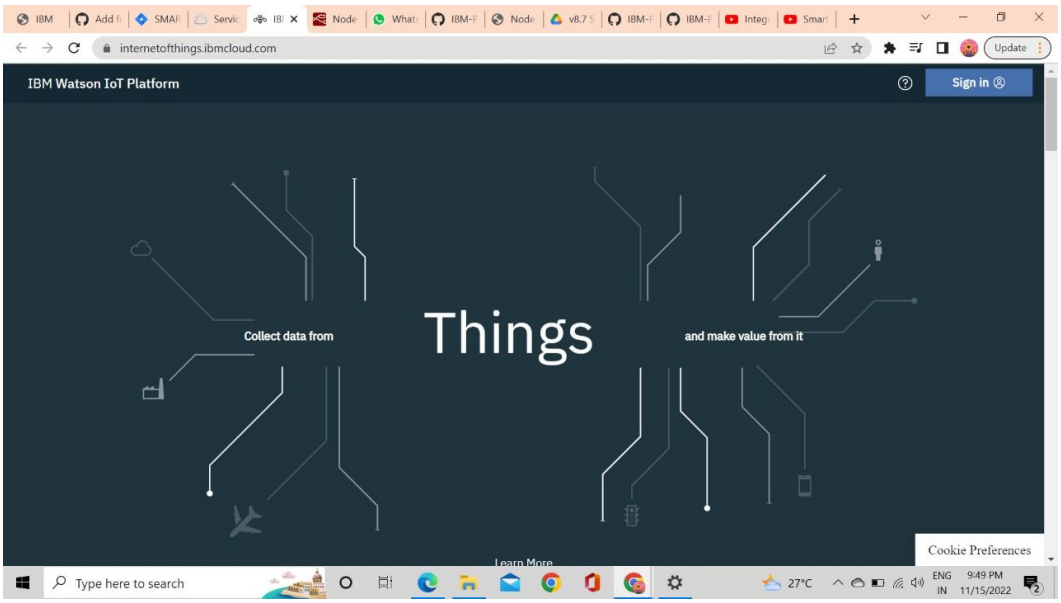
To create a IBM Watson cloud for IoT and a device

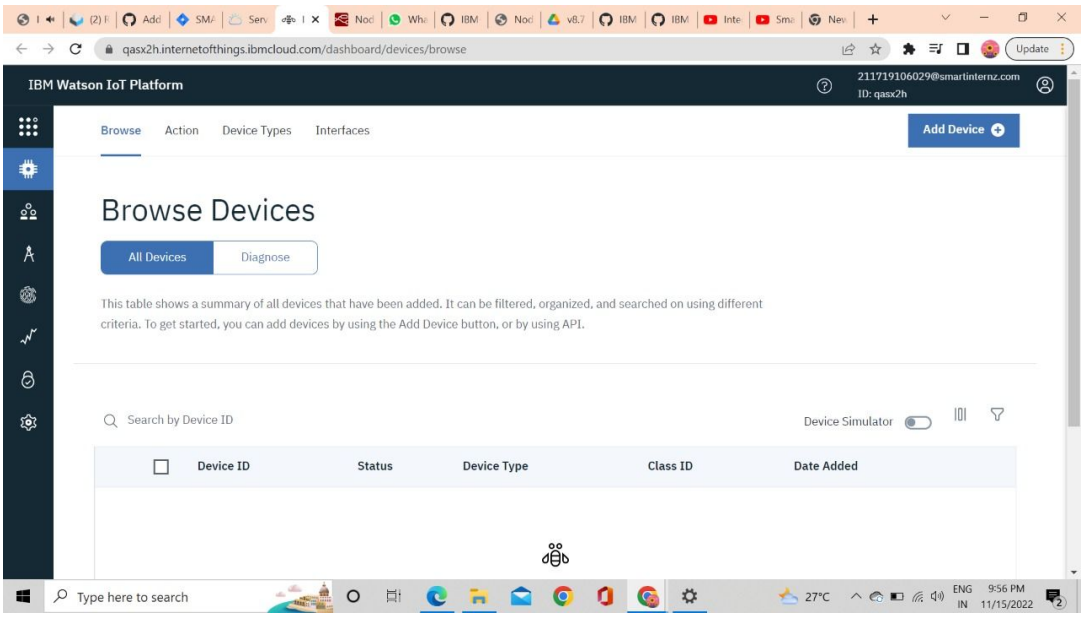


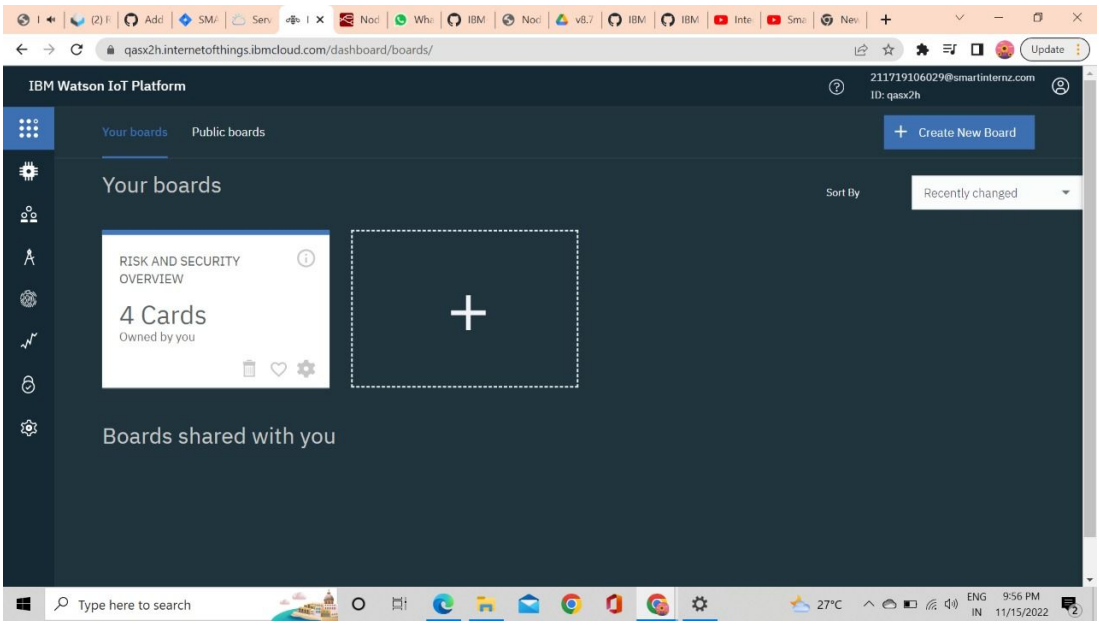


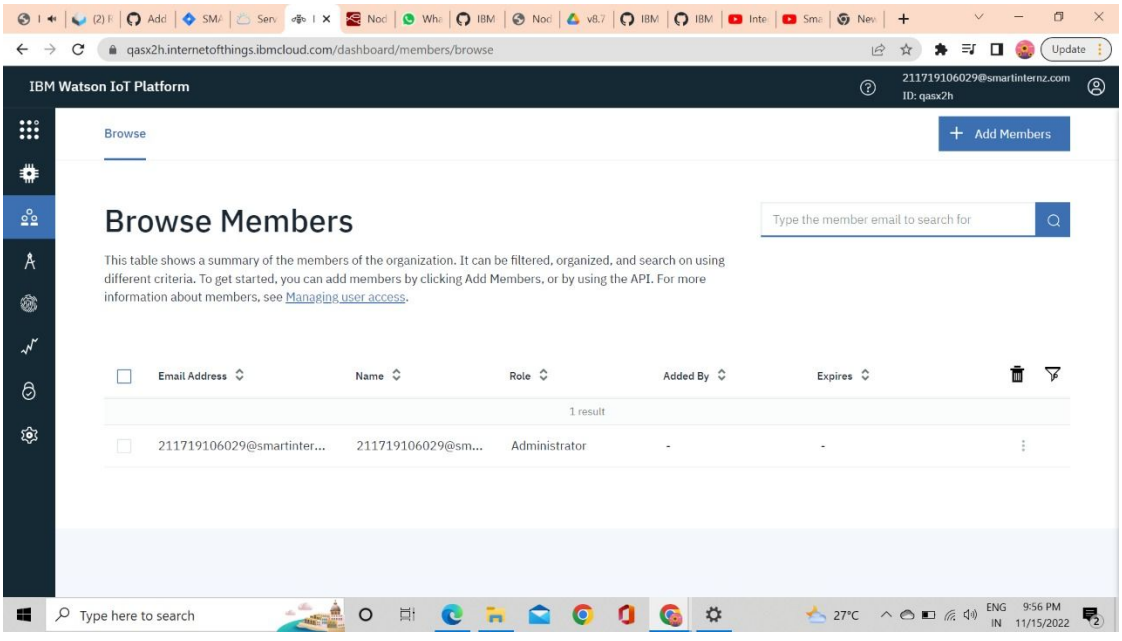

cloud.ibm.com/catalog?category=iot
IBM Cloud
Search resources and products...
Catalog
Manage
Irfan Shakil S's Account
Search the catalog...
Sell on IBM Cloud
Catalog settings
Type
All
Services
Software
Professional services
Provider
IBM (1)
Pricing plan
Lite
Free
Compliance
IAM-enabled
Viewing 1 product
Filters:
Internet of Things
Clear all
Internet of Things Platform
By IBM
This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.
Lite • Free • IAM-enabled • IBM supported
Type here to search
27°C
ENG
IN
9:44 PM
11/15/2022

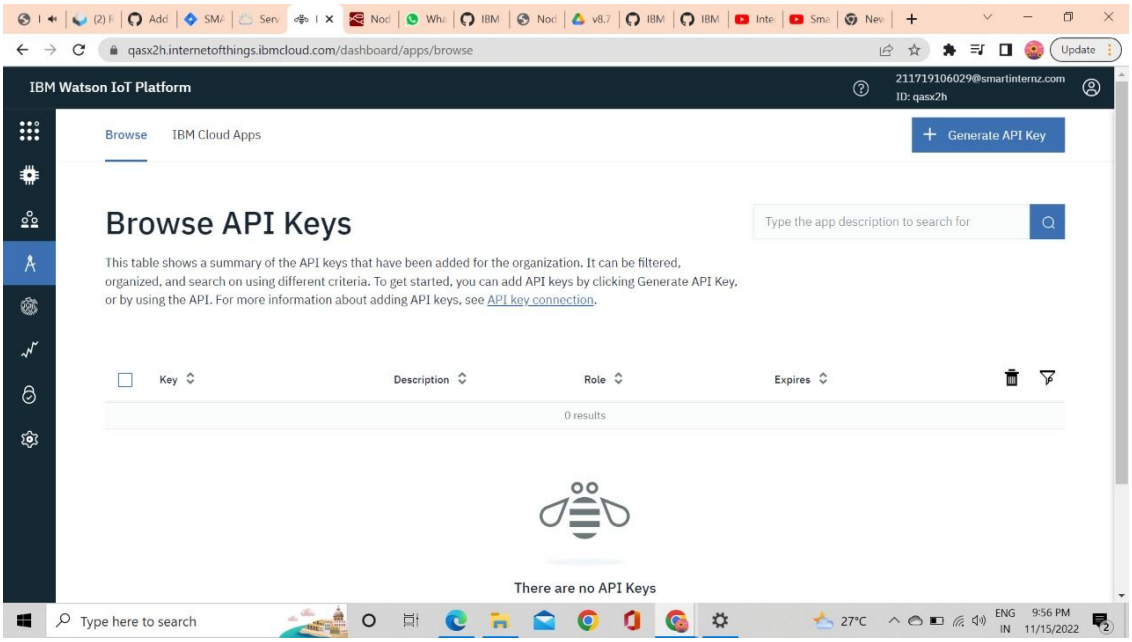

cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2Fafcc76c25f5e4306ab0573711...
IBM Cloud
Search resources and products...
Catalog
Manage
Irfan Shakil S's Account
Resource list /
Internet of Things Platform-qp
Active
Add tags
Details
Actions...
Manage
Plan
Connections
Let's get started with IBM Watson IoT Platform
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.
Launch
Docs
Ready for the next level?
IBM Watson IoT Platform Journey
Lite
Non-Production
Type here to search
27°C
ENG
IN
9:48 PM
11/15/2022

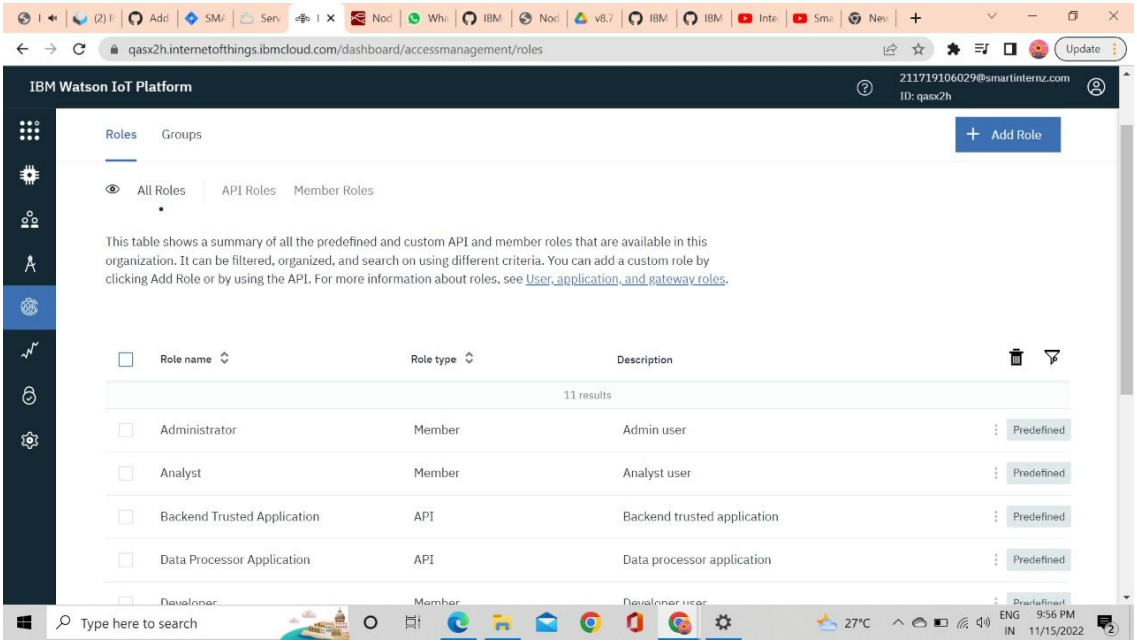

internetofthings.ibmcloud.com
IBM Watson IoT Platform
Sign in
Collect data from
Things
and make value from it
Learn More
Cookie Preferences
Type here to search
27°C
ENG
IN
9:49 PM
11/15/2022

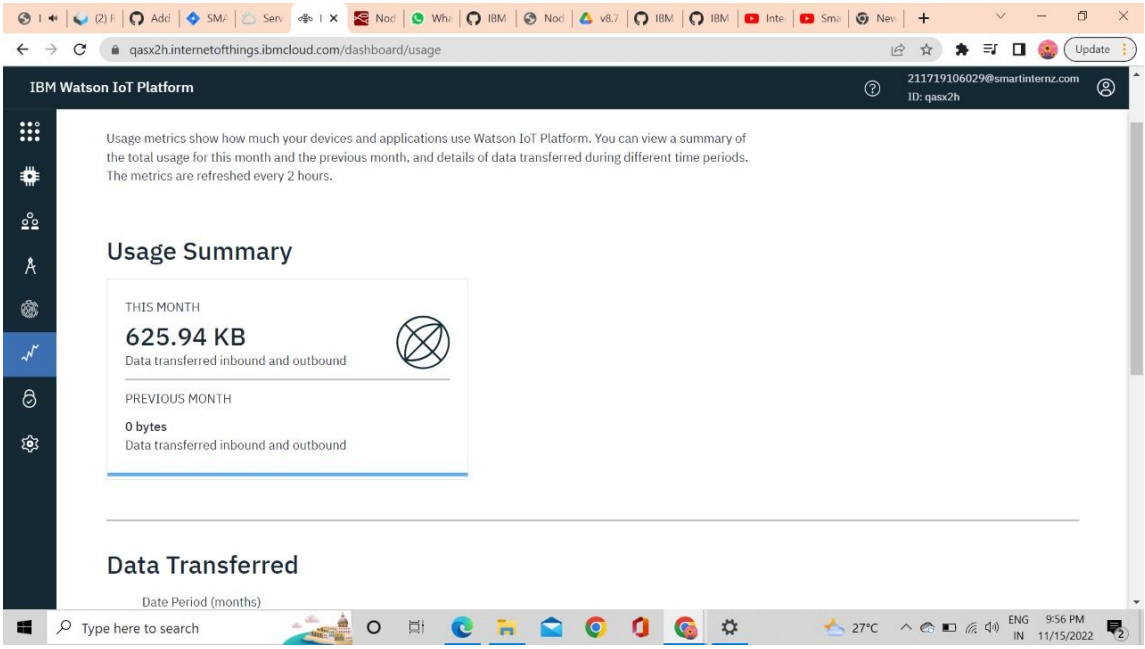

qasx2h.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
Action
Device Types
Interfaces
Add Device
Browse Devices
All Devices
Diagnose
This table shows a summary of all devices that have been added. It can be filtered, organized, 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
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

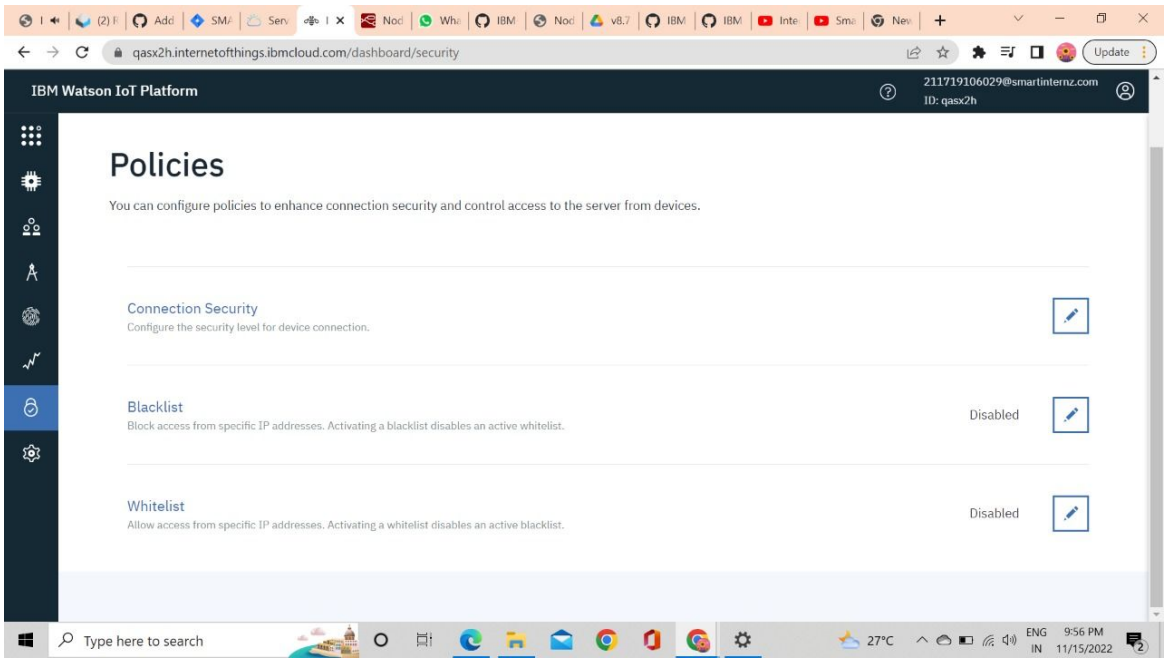

qasx2h.internetofthings.ibmcloud.com/dashboard/boards/
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
Boards shared with you
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

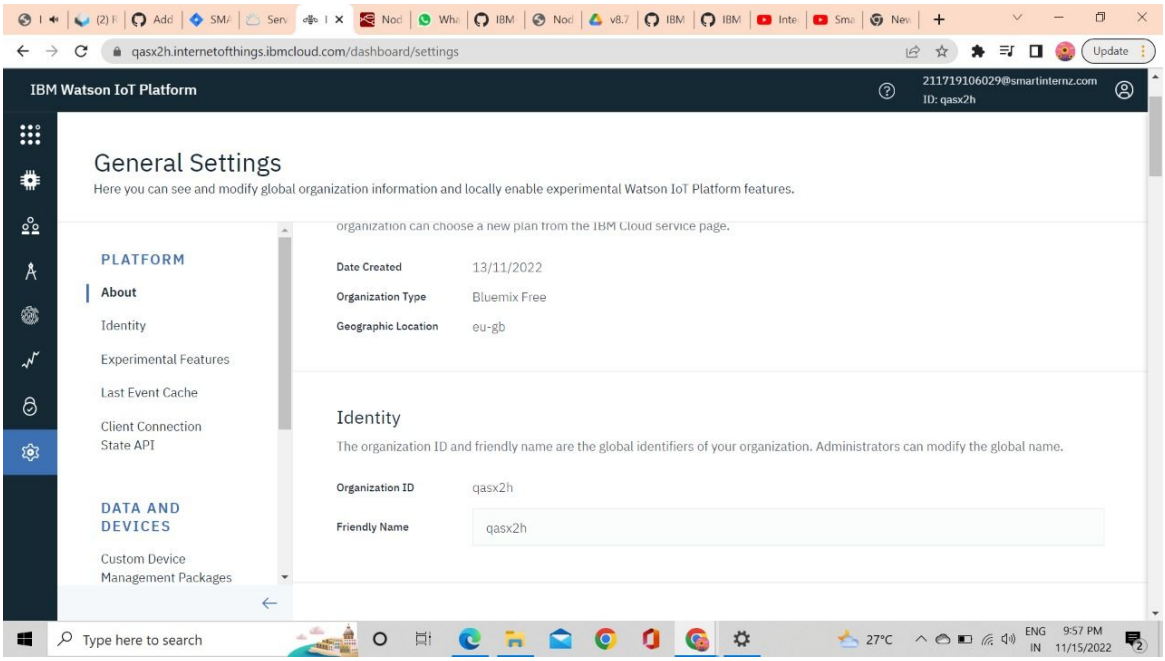

qasx2h.internetofthings.ibmcloud.com/dashboard/members/browse
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
Add Members
Browse Members
Type the member email to search for
This table shows a summary of the members of the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add members by clicking Add Members, or by using the API. For more information about members, see Managing user access.
Email Address
Name
Role
Added By
Expires
1 result
211719106029@smartinter...
211719106029@sm...
Administrator
-
-
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

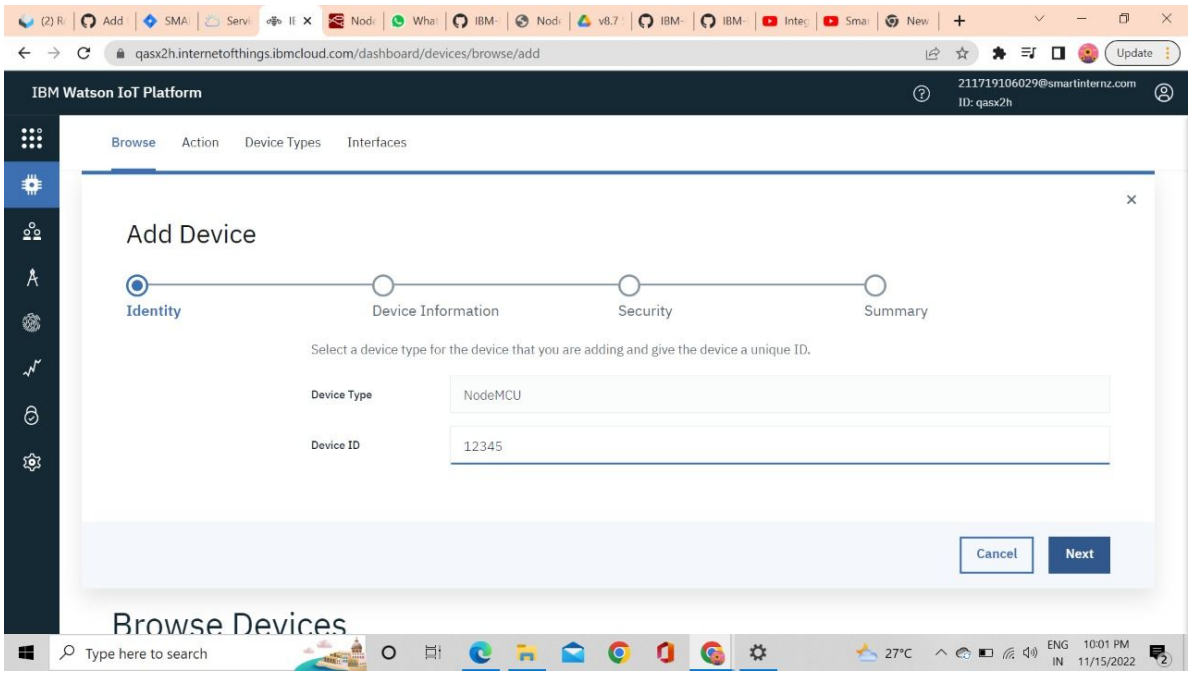

qasx2h.internetofthings.ibmcloud.com/dashboard/apps/browse
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
IBM Cloud Apps
Generate API Key
Browse API Keys
Type the app description to search for
This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see API key connection.
Key
Description
Role
Expires
0 results
There are no API Keys
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

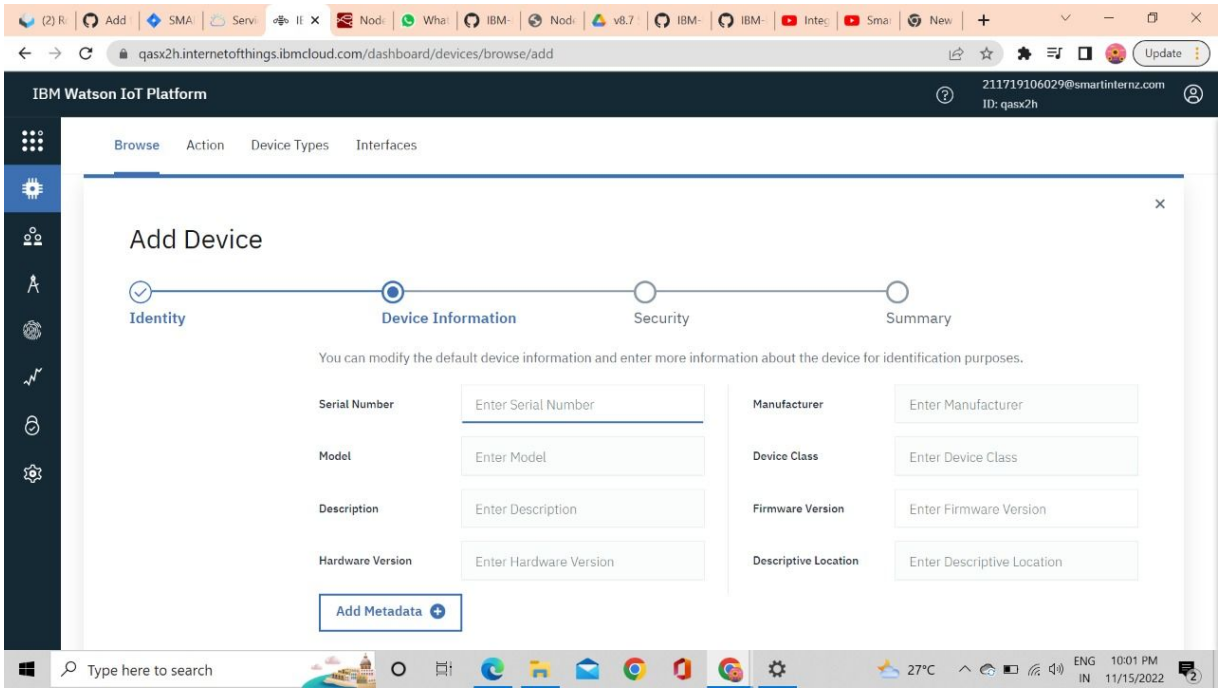

qasx2h.internetofthings.ibmcloud.com/dashboard/accessmanagement/roles
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Roles
Groups
Add Role
All Roles
API Roles
Member Roles
This table shows a summary of all the predefined and custom API and member roles that are available in this organization. It can be filtered, organized, and search on using different criteria. You can add a custom role by clicking Add Role or by using the API. For more information about roles, see User, application, and gateway roles.
Role name
Role type
Description
11 results
Administrator
Member
Admin user
Predefined
Analyst
Member
Analyst user
Predefined
Backend Trusted Application
API
Backend trusted application
Predefined
Data Processor Application
API
Data processor application
Predefined
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

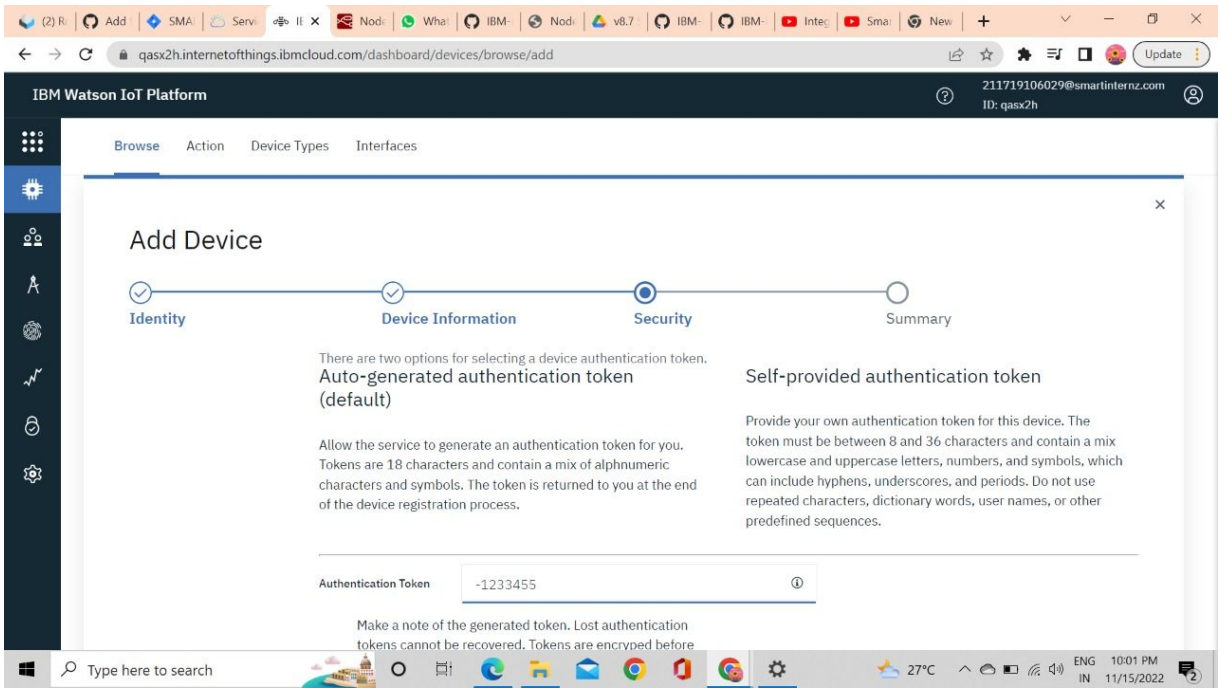

qasx2h.internetofthings.ibmcloud.com/dashboard/usage
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Usage metrics show how much your devices and applications use Watson IoT Platform. You can view a summary of the total usage for this month and the previous month, and details of data transferred during different time periods. The metrics are refreshed every 2 hours.
Usage Summary
THIS MONTH
625.94 KB
Data transferred inbound and outbound
PREVIOUS MONTH
0 bytes
Data transferred inbound and outbound
Data Transferred
Date Period (months)
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022

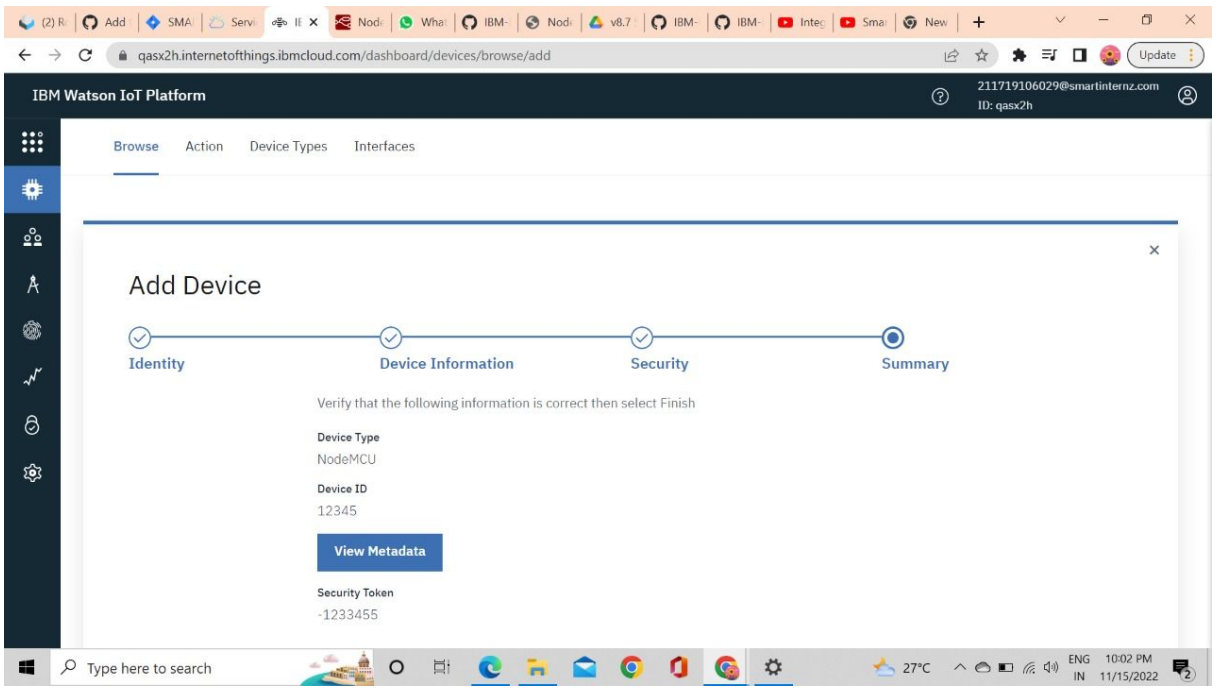

qasx2h.internetofthings.ibmcloud.com/dashboard/security
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Policies
You can configure policies to enhance connection security and control access to the server from devices.
Connection Security
Configure the security level for device connection.
Blacklist
Block access from specific IP addresses. Activating a blacklist disables an active whitelist.
Disabled
Whitelist
Allow access from specific IP addresses. Activating a whitelist disables an active blacklist.
Disabled
Type here to search
27°C
ENG
IN
9:56 PM
11/15/2022


qasx2h.internetofthings.ibmcloud.com/dashboard/settings
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
General Settings
Here you can see and modify global organization information and locally enable experimental Watson IoT Platform features.
PLATFORM
About
Identity
Experimental Features
Last Event Cache
Client Connection State API
DATA AND DEVICES
Custom Device Management Packages
Date Created
13/11/2022
Organization Type
Bluemix Free
Geographic Location
eu-gb
Identity
The organization ID and friendly name are the global identifiers of your organization. Administrators can modify the global name.
Organization ID
qasx2h
Friendly Name
qasx2h
Type here to search
27°C
ENG
IN
9:57 PM
11/15/2022


qasx2h.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
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
NodeMCU
Device ID
12345
Cancel
Next
Browse Devices
Type here to search
27°C
ENG
IN
10:01 PM
11/15/2022


qasx2h.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
You can modify the default device information and enter more information about the device for identification purposes.
Serial Number
Enter Serial Number
Manufacturer
Enter Manufacturer
Model
Enter Model
Device Class
Enter Device Class
Description
Enter Description
Firmware Version
Enter Firmware Version
Hardware Version
Enter Hardware Version
Descriptive Location
Enter Descriptive Location
Add Metadata
Type here to search
27°C
ENG
IN
10:01 PM
11/15/2022


qasx2h.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
There are two options for selecting a device authentication token.
Auto-generated authentication token (default)
Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphnumeric characters and symbols. The token is returned to you at the end of the device registration process.
Self-provided authentication token
Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.
Authentication Token
-1233455
Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encryped before
Type here to search
27°C
ENG
IN
10:01 PM
11/15/2022


qasx2h.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
211719106029@smartinternz.com
ID: qasx2h
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
Verify that the following information is correct then select Finish
Device Type
NodeMCU
Device ID
12345
View Metadata
Security Token
-1233455
Type here to search
27°C
ENG
IN
10:02 PM
11/15/2022

RESULT:

An IBM Watson cloud for IoT and a device is created successfully.