

Sprint - 1

Date	29 October 2022
Team ID	PNT2022TMID4760
Project Name	Project - Industry-specific intelligent fire management system
Maximum Marks	20 marks

US - 1 : Create the IBM Cloud services which are being used in this project.

The screenshot shows the IBM Cloud Dashboard interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Indhumathi K's Account). The main content area is titled "Dashboard" and includes a sidebar with various service icons. The central part of the dashboard is labeled "For you" and features five recommended actions:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services. (Getting started, 5 min)
- Monitor your resources**: Get visibility into the performance and health of your resources. (Getting started, 5 min)
- Set up your IBM Cloud account**: Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources. (Getting started, 10 min)
- Build with Watson**: Chatbots, insights, recognizers, and more. Explore the AI platform for business. (Popular, 3 min)
- Create an OpenShift cluster**: Deploy apps on highly available clusters with Red Hat OpenShift on IBM Cloud. (Getting started, 20 min)

On the right side, there is a user profile dropdown for "Indhumathi K" with options for Profile, Log in to CLI and API, Privacy, Change theme, and Log out. Below the dashboard content, there is a section titled "architectures for the cloud." with a "Recommended" button and a 5 min duration.

US - 2 : Configure the IBM Cloud services which are being used in completing this project.

IBM Cloud

Search resources and products...

Catalog

Manage

Indhumathi K's Account

Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Analytics (0+) (Error retrieving data)					
Blockchain (0+) (Error retrieving data)					
Databases (0+) (Error retrieving data)					
Developer tools (0+) (Error retrieving data)					
Logging and monitoring (0+) (Error retrieving data)					
Migration (0+) (Error retrieving data)					
Integration (0+) (Error retrieving data)					
Internet of Things (1)					
Internet of Things Platform-tw	Default	Frankfurt	Internet of Things Platform	Active	
Security (0+) (Error retrieving data)					
Mobile (0+) (Error retrieving data)					
Other (0+) (Error retrieving data)					

US - 3 : IBM Watson IoT platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Indhumathi K's Account

?

[Resource list](#) /

Internet of Things Platform-tw

Active

Add tags

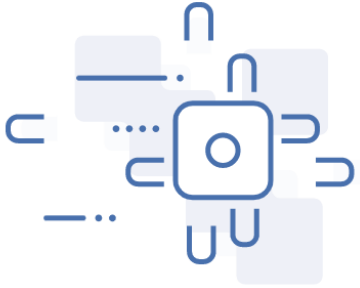
Details

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

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

US - 4 : In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials

IBM Watson IoT Platform

910019106015@smartinternz.com
ID: cx3ak2

Browse

Action

Device Types

Interfaces

Add Device +

Search by Device ID

Device Simulator ☒

IOI

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	B11M3EDeviceID	Disconnected	B11M3EDeviceType	Device	Oct 28, 2022 7:25 PM	
▼	B11M3EDeviceType_1	Connected	B11M3EDeviceType	Device	Oct 31, 2022 10:31 AM	→ ...

Identity

Device Information

Recent Events

State

Logs

×

Device ID

Device Type

Date Added

Added By

Connection Status

B11M3EDeviceType_1

B11M3EDeviceType

Oct 31, 2022 10:31 AM

910019106015@smartinternz.com

Connected
Connection Time: Oct 31, 2022 10:56 AM
Client Address: 157.49.74.159 SecureToken

Items per page 50 | 1-2 of 2 items

1 Simulation running

IBM Watson IoT Platform

910019106015@smartinternz.com
ID: cx3ak2

Browse

Action

Device Types

Interfaces

Add Device +

>

B11M3EDeviceID

Disconnected

B11M3EDeviceType

Device

Oct 28, 2022 7:25 PM

▼

B11M3EDeviceType_1

Connected

B11M3EDeviceType

Device

Oct 31, 2022 10:31 AM

→ ...

Identity

Device Information

Recent Events

State

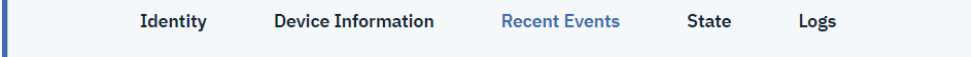
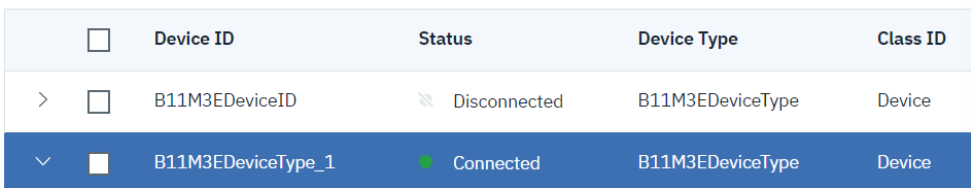
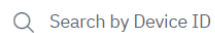
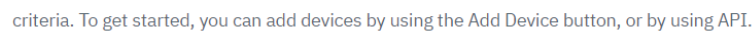
Logs

×

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	{"Temperature":60,"Flame Level":70,"Smoke Lev...	json	a few seconds ago
event_1	{"Temperature":91,"Flame Level":0,"Smoke Leve...	json	a few seconds ago
event_1	{"Temperature":21,"Flame Level":14,"Smoke Lev...	json	a few seconds ago
event_1	{"Temperature":88,"Flame Level":83,"Smoke Lev...	json	a few seconds ago
event_1	{"Temperature":19,"Flame Level":15,"Smoke Lev...	json	a few seconds ago

1 Simulation running



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	{"Temperature":1,"Flame Level":33,"Smoke Level":10}	json	a few seconds ago
event_1	{"Temperature":95,"Flame Level":3,"Smoke Level":10}	json	a few seconds ago

Device Type: B11M3EDeviceType

Events 1

New event type 

▼ Event type name	event_1
-------------------	---------

Send



Schedule

20

Every Minute

Payload

Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "Temperature": random(0, 100),
2   "Flame Level": random(0, 100),
3   "Smoke Level": random(0, 100)
4 }
```

[Upload a CSV file](#)

Cancel

Save

Simulations


[Import/Export simulation](#)


1/50 Simulations Running


+ New Simulation

Device Type

B11M3EDeviceType


 1 Event





1 Device

S B11M3EDeviceType_1



1 x

Create Simulated Device

Use Registered Device

40 events sent

2.31 KB sent >

Event	Value	Format	Last Received
event_1	{"Temperature":71,"Flame Level":63,"Smoke Lev...	json	a few seconds
event_1	{"Temperature":89,"Flame Level":96,"Smoke Lev...	json	a few seconds