

Sprint - 1

Date	29 October 2022
Team ID	PNT2022TMID47456
Project Name	SMART WASTE MANAGEMENT SYSTEM
Maximum Marks	20 marks

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

The screenshot displays the IBM Cloud dashboard for user ASHWIN BHARATHI A. The dashboard includes a sidebar with navigation icons, a top navigation bar with a search bar and user profile, and a main content area with several service tiles. The tiles are categorized under 'For you' and include options like 'Build', 'Monitor your resources', 'View services with free Lite plans', 'Get Started with Watson Studio', and 'Explore'. A user profile dropdown menu is open on the right, showing options like 'Profile', 'Log in to CLI and API', 'Privacy', 'Change theme', and 'Log out'. The bottom of the dashboard features sections for 'User access', 'News', and 'Planned maintenance'. The Windows taskbar at the bottom shows the date as 01-11-2022 and time as 09:37 PM.

IBM Cloud

Search resources and products...

Catalog Manage ASHWIN BHARATHI A...

Dashboard

Edit dashboard Upgrade account

For you

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Monitor your resources
Get visibility into the performance and health of your resources.
Getting started 5 min

View services with free Lite plans
Check out the available services with free Lite plans.
Recommended 1 min

Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular 2 hr

Explore
Try out a... to get yo... Cloud or help you with more complex scenarios.
Getting started 10 min

ASHWIN BHARATHI A

Profile
Log in to CLI and API
Privacy
Change theme
Log out →

User access Manage users
Enter email addresses below to jump directly into the invite user setup:

News View all
Announcing IBM Cloud Pak for Network Automation Version 2.4
No Prerequisites for IBM Cloud Certifications

Planned maintenance View all

Type here to search

33°C Haze 09:37 PM 01-11-2022

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

Browser tabs: Welcome to Project! Delighte x | IBM x | (14) WhatsApp x | PDF to Word Converter - 100 x | Resource list - IBM Cloud x

Address bar: cloud.ibm.com/resources

IBM Cloud header: Search resources and products... Catalog Manage ASHWIN BHARATHI A'...

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...
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (0)					
Developer tools (0)					
Logging and monitoring (0)					
Migration (0)					
Integration (0)					
Internet of Things (0)					
Security (0)					
Mobile (0)					
Other (0+)					

Windows taskbar: Type here to search | 33°C Haze | 09:44 PM 01-11-2022

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.

Browser tabs: Welcome to Project! Delighte x | IBM x | (14) WhatsApp x | PDF to Word Converter - 100 x | Service Details - IBM Cloud x

Address bar: cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2Fb01a53b6399a4a02a2dab7fabd87f495%3...

IBM Cloud

Search resources and products...

Catalog Manage v ASHWIN BHARATHI A'...

Resource list /

Internet of Things Platform-pi


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

○

Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables

○

Production

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

Windows taskbar: Type here to search, 33°C Haze, 09:46 PM 01-11-2022

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

Browser tabs: Welcome to Project! x | IBM x | (14) WhatsApp x | PDF to Word Convert x | Service Details - IBM C x | IBM Watson IoT Platf x

Address bar: 24iaul.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

910019106006@smartinternz.com
ID: 24iaul

Navigation: Browse | Action | Device Types | Interfaces

Add Device +

Search by Device ID

Device Simulator ☒ | ☐ | ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	
<input checked="" type="checkbox"/>	PNT2022TMID47456	Disconnected	PNT2022TMID47456	Device	1 Nov 2022 21:49	→ ...

Identity | Device Information | Recent Events | State | Logs

Device ID: PNT2022TMID47456

Device Type: PNT2022TMID47456

Date Added: 1 Nov 2022 21:49

Added By: 910019106006@smartinternz.com

Connection Status: Disconnected

Items per page 50 | 1-1 of 1 item

1 Simulation running

Windows taskbar: Type here to search | 33°C Haze | 10:00 PM 01-11-2022

Welcome to Project! xIBM x(14) WhatsApp xPDF to Word Convert xService Details - IBM xIBM Watson IoT Platf x

24iaul.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform910019106006@smartinternz.comID: 24iaul

BrowseActionDevice TypesInterfaces

Add Device +

Device ID	Status	Device Type	Class ID	Date Added	
PNT2022TMID47456	Disconnected	PNT2022TMID47456	Device	1 Nov 2022 21:49	→ ...

IdentityDevice InformationRecent EventsStateLogs

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	{"LOADCELL":63,"IR SENSOR":59,"GSM/GPS":37}	json	a few seconds ago
event_1	{"LOADCELL":100,"IR SENSOR":60,"GSM/GPS":81}	json	a few seconds ago
event_1	{"LOADCELL":61,"IR SENSOR":94,"GSM/GPS":21}	json	a few seconds ago
event_1	{"LOADCELL":38,"IR SENSOR":91,"GSM/GPS":80}	json	a few seconds ago
event_1	{"LOADCELL":36,"IR SENSOR":40,"GSM/GPS":19}	json	a few seconds ago

1 Simulation running

Type here to search33°C Haze10:02 PM01-11-2022

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Device ID

Status

Device Type

PNT2022TMID47456

Disconnected

PNT2022TM

Identity

Device Information

Recent Events

State

The recent events listed show the live stream of data that is coming and going

Event	Value
event_1	{"LOADCELL":98,"IR SENSOR":24,"GSM/GPS":85}
event_1	{"LOADCELL":62,"IR SENSOR":20,"GSM/GPS":0}
event_1	{"LOADCELL":97,"IR SENSOR":97,"GSM/GPS":69}
event_1	{"LOADCELL":78,"IR SENSOR":70,"GSM/GPS":46}
event_1	{"LOADCELL":38,"IR SENSOR":89,"GSM/GPS":13}

Simulations

Import/Export simulation

1/50 Simulations Running

+ New Simulation

Device Type

PNT2022TMID47456

1 Event

1 Device

PNT2022TMID47456

1 x

Create Simulated Device

Use Registered Device

