

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 shows the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's name ASHWIN BHARATHI A. The main content area is titled 'Dashboard' and features a 'For you' section with five cards: '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.), 'View services with free Lite plans' (Check out the available services with free Lite plans.), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes.), and 'Explore' (Try out a... to get yo... Cloud or help you with more complex scenarios.). Each card has a 'Getting started' button and a duration (5 min, 1 min, 2 hr, 10 min). Below this, there's a 'User access' section with a 'Manage users' link, a 'News' section with a 'View all' link, and a 'Planned maintenance' section with a 'View all' link. The bottom of the dashboard shows a Windows taskbar with the search bar, taskbar icons, and system tray information (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+)					

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 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 search

33°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}

Device Type: PNT2022TMID47456

Events 1 New event type +

Event type name event_1 Send

Schedule 20 Every Minute

PayloadSpecify the event payload in the editor window or by uploading a CSV file.

0 {

1 "LOADCELL" :random(0, 100),

2 "IR SENSOR" :random(0,100),

3 "GSM/GPS" :random(0,100)

4 }

5

Upload a CSV file

Cancel Save

