

SPRINT 2

Date	19 November 2022
Team ID	PNT2022TMID40129
Project Name	Project - Personal Assistance for Seniors who are Self Reliant.

IBM Watson IOT Platform and Device Creation:

The screenshot displays the IBM Watson IoT Platform web interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various platform features. The main content area shows a table of devices with columns for Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. One device is listed with ID 7094657, status 'Connected', and type 'Personal_Assistance'. Below the table, a detailed view of the selected device is shown, including its identity, device information, recent events, state, and logs. The device information section lists the Device ID (7094657), Device Type (Personal_Assistance), Date Added (Nov 10, 2022 12:44 PM), Added By (512219104003@smartinternz.com), and Connection Status (Connected). The connection status section provides the Connection Time (Nov 19, 2022 7:32 PM) and Client Address (158.176.87.113 SecureToken). The bottom of the interface shows a search bar, a taskbar with various application icons, and a system tray with the date and time (8:17 PM, 11/19/2022).

IBM Watson IoT Platform

512219104003@smartinternz.com
ID: 4wba1k

Browse Action Device Types Interfaces

Add Device

Delete 1 item selected Cancel

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
7094657	Connected	Personal_Assistance	Device	Nov 10, 2022 12:44 PM	

Identity Device Information Recent Events State Logs

Device ID: 7094657
Device Type: Personal_Assistance
Date Added: Nov 10, 2022 12:44 PM
Added By: 512219104003@smartinternz.com
Connection Status: Connected
Connection Time: Nov 19, 2022 7:32 PM
Client Address: 158.176.87.113 SecureToken

Items per page: 50 | 1-1 of 1 item

1 of 1 page

0 Simulations running

Type here to search

ENG 8:17 PM
IN 11/19/2022

Node-Red Service Creation:

The screenshot displays the IBM Cloud Developer console for a service named "Node RED WUYDX 2022-11-19". The interface is divided into several sections:

- Details:** Shows the App URL, Source (https://us-south.git.cloud.ibm.com/512219104003/NodeRED...), Resource group (Default), Deployment target (You must deploy your app first), and Created date (11/19/2022).
- Services:** Lists the "Cloudant" service with links to the Open dashboard, Documentation, and API reference. It also includes buttons for "Connect existing services" and "Create service".
- Deployment Automation:** Shows the Name (NodeREDWUYDX2022-11-19), Location (Dallas), Tool integrations, and Delivery Pipelines. The "pr-pipeline" is listed with a status of "No stages detected", and the "ci-pipeline" is listed with a status of "Success".
- Getting started quickly:** Provides instructions on how to configure the app, including connecting services and DevOps toolchains, and how to deploy the app.

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 10:48 PM on 11/19/2022.

Node-Red Flow:

The screenshot displays the Node-RED web interface, showing a flow diagram with various nodes and connections. The interface includes a sidebar on the left with a "filter nodes" search bar and a list of nodes categorized by "common", "function", "network", "input", "output", and "sequence". The main workspace shows a flow diagram with nodes such as "timestamp", "function", "switch", "msg.payload", "IBM IoT", "delay 10s", "form", and "msg.payload". The right sidebar shows the "info" panel, which displays the details of the selected node, including its name, type, and a list of flows.

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 1:42 AM on 11/20/2022.

The Node-RED interface displays a flow named 'Flow 1'. The flow starts with a 'timestamp' node, followed by a 'function' node, then a 'medicine' node, and another 'function' node. The output of the second function node is connected to a 'msg.payload' node, which is then connected to an 'IBM IoT' node. The 'IBM IoT' node is connected to a 'connected' node. The flow also includes a 'switch' node, a 'delay 10s' node, and a 'form' node. The debug console on the right shows the following logs:

```
11/20/2022, 11:04:49 AM node: 17e09d8fe7d2b7d  
msg.payload : Object  
{ name: "Paracetamol", time: "3:45", date: "2022-11-03" }  
11/20/2022, 11:04:49 AM node: 17e09d8fe7d2b7d  
msg.payload : Object  
{ _id: "2022-11-03 3:45", name: "Paracetamol" }  
11/20/2022, 11:04:50 AM node: 4e18ff5c5c4ec9  
msg : string[45]  
"Failed to insert document: couch returned 409"
```

Node-Red Data Stored in Cloudant-DB:

The Cloudant Dashboard interface shows the 'medicine' database. The table view displays the following documents:

id	key	value
2022-11-03 3:45	2022-11-03 3:45	{ "rev": "1-393a924925b0cac73def2a1da56c8...", "name": "Paracetamol", "time": "3:45", "date": "2022-11-03" }
2022-11-20 10:00	2022-11-20 10:00	{ "rev": "1-4eaabbd1ecf076b2e21b1c1e543f1...", "name": "Paracetamol", "time": "3:45", "date": "2022-11-03" }

The interface also includes a sidebar with navigation options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The bottom status bar indicates 'Showing document 1 - 2. Documents per page: 20'.

Node-RED: 169.51.194.5 x Service Details - IBM Cloud x Cloudant Dashboard - dat... x IBM Watson IoT Platform x IBM x IBM-EPBL/IBM-Project-28... x

0c67f85a-45b7-42b8-b8cc-5f14a6c1b59b-bluemix.cloudant.com/dashboard.html#database/medicine/2022-11-03%3A45

medicine > 2022-11-03 3:45

Save Changes Cancel Upload Attachment Clone Document Delete

```
1 {
2   "_id": "2022-11-03 3:45",
3   "_rev": "1-393a924925b0cac73def2a1da56c828a",
4   "name": "Paracetamol"
5 }
```

Log Out

Type here to search

ENG 2:22 PM 11/20/2022

Node-RED: 169.51.194.5 x Service Details - IBM Cloud x Cloudant Dashboard - dat... x IBM Watson IoT Platform x IBM x IBM-EPBL/IBM-Project-28... x

0c67f85a-45b7-42b8-b8cc-5f14a6c1b59b-bluemix.cloudant.com/dashboard.html#database/medicine/2022-11-20%3A10:00

medicine > 2022-11-20 10:00

Save Changes Cancel Upload Attachment Clone Document Delete

```
1 {
2   "_id": "2022-11-20 10:00",
3   "_rev": "1-f4eaabdb1ecf076b2e21b1c1e543f103",
4   "name": "AceLock"
5 }
```

Log Out

Type here to search

ENG 2:22 PM 11/20/2022