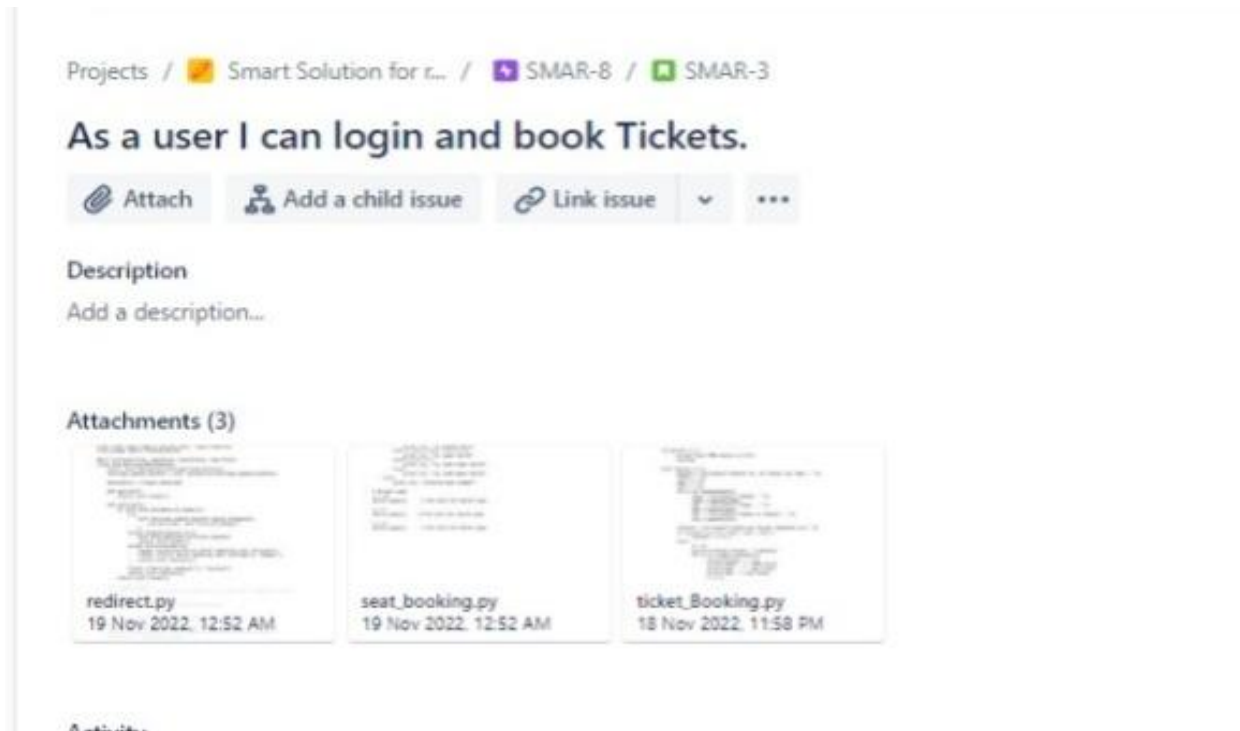


## SPRINT-2

Date	05 November 2022
Team ID	PNT2022TMID11066
Project Name	SMART SOLUTIONS FOR RAILWAYS

### STEP 1: Create Login page and upload python code in jira software



Project Access Link in Jira Software : USN-3:

<https://pnt2022tmid11066.atlassian.net/browse/SMAR-3?atOrigin=eyJpIjojOWY3NjA5MTQ3YWQwNDI2Yzk5ZjUxNmE2ZmZiYjY1ZmYiLCJwIjoiajI9>

### Step-3 : Location Track Phase

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Projects /  Smart Solution for r... /  SMAR-8 /  SMAR-4

## As a user, I can track the exact location of the train

 Attach  Add a child issue  Link issue  

Description

Add a description...

Attachments (1)  



gps\_tracking.py  
19 Nov 2022, 12:55 AM

USN-4 :

<https://pnt2022tmid11066.atlassian.net/browse/SMAR-4?atlOrigin=eyJpIjoiMDU0YjNjYWWE1ZmFmNDVhYmEzNDBjOTI4N2NmYTE2MWQilCJwIjoiajI9>

### STEP 4: You will redirected to your node-red on ibm cloud page:

Node-RED on IBM Cloud

## Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.  
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.  
More information about Node-RED, including documentation, can be found at [nodered.org](https://nodered.org).

## STEP 5: Edit Ibm lot in node:

The screenshot shows the Node-RED web interface. On the left, the 'common' node palette is visible. In the center workspace, a flow named 'Flow 1' contains an 'IBM IoT' node, which is marked as 'connected'. On the right, the 'Edit ibmiot in node' configuration panel is open. It includes a 'Delete' button, 'Cancel', and 'Done' buttons. The 'Properties' section contains the following settings:

- Authentication: API Key
- API Key: e19c2b2383d75b20
- Input Type: Device Event
- Device Type: ☐ All or
- Device Id: ☐ All or
- Event: ☒ All or  (Note: The original image has a typo 'All or' in the original text, it should be 'All or' with a plus icon)
- Format: ☐ All or
- QoS: 0
- Name: IBM IoT
- Service: registered

Below the properties, there is a yellow warning box: "Use the Input Type property to configure this node to receive Events sent by IoT Devices, Commands sent to IoT Devices, Status Messages referring to IoT Devices, or Status Messages referring to". At the bottom of the panel, there is an 'Enabled' checkbox.

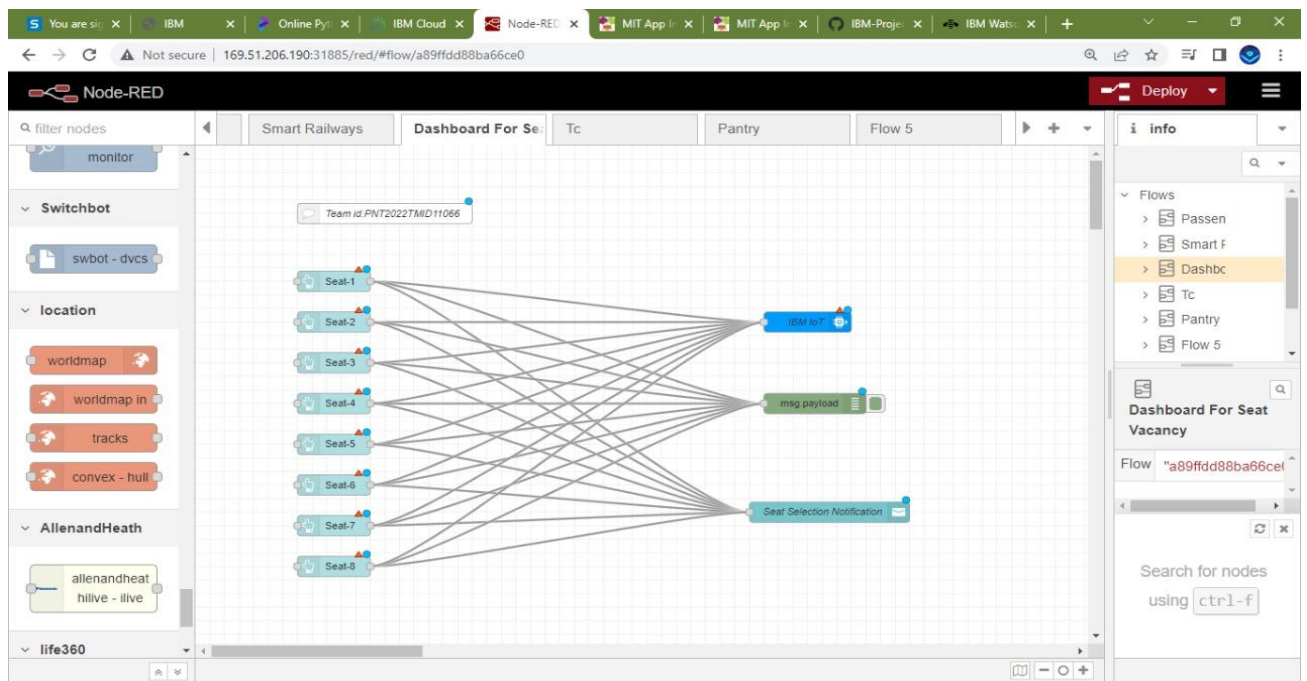
## STEP 6: Connect Ibm lot in and debug 1 and deploy:

The screenshot shows the Node-RED web interface after the configuration. The 'IBM IoT' node is now connected to a 'msg.payload' node in the 'Flow 1' workspace. On the right, the 'Info' panel is open, displaying details for the selected 'IBM IoT' node:

- Node: "5c22a9fb4112a5ec"
- Type: ibmiot in

Below the node information, there is a message: "Move the selected nodes using the [up] [down] and [right] keys. Hold [shift] to nudge them further".

## STEP 7: Develop Node-Red for Login and Dashboard



## STEP 8 : Enter details for Login Page

The screenshot shows a web application interface for 'SMART RAILWAYS'. The page has a blue header with the text 'Demo'. Below the header, there is a central white box containing the login form. The form is titled 'WELCOME' and includes the following fields and buttons:

- User name:** A text input field with the placeholder text 'Enter user name'.
- Password:** A text input field with the placeholder text 'Enter Password'.
- Help: ?** A link or button for user assistance.
- SUBMIT** A blue button to submit the login credentials.