

Sprint 3

Team ID	PNT2022TMID15161
Project Name	Industry-specific Intelligent Fire Management System

Generating API key for Node Red communication

IBM Watson IoT Platform

Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

Key	Description	Role	Expires
a-pol6f4-kosvww7he	-	Standard Application	-
a-pol6f4-p3lnkdojna	API Key for the device simulator	Standard Application	-
a-pol6f4-wzwbgbagg	-	Standard Application	-

0 Simulations running

Creating API keys for communication with Node Red

Functions Created in Node Red for processing

Node-RED

Flow 1

IBM IoT

TEMP

HUM

SMOKE

FAN1

FAN2

SPRKLR

Temperature

Humidity

Smoke Sensor

Fan1 Status

Fan2 Status

SPRINKLER

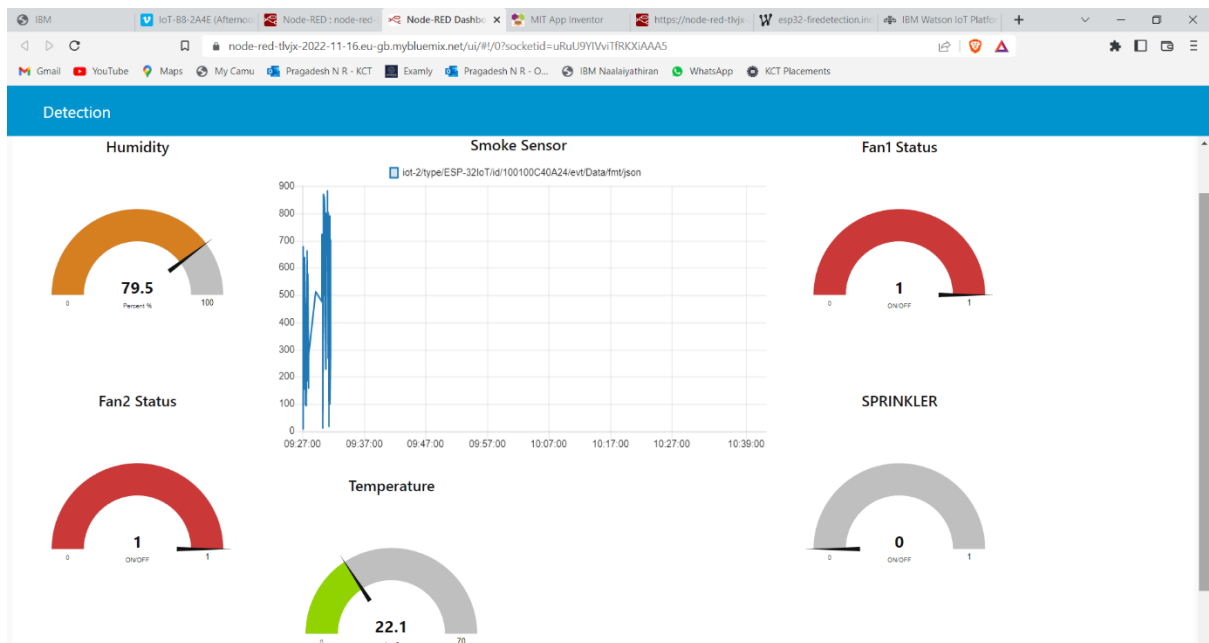
Creating functions in Node red

Accessing Dashboard and setting parameters for charts

The screenshot shows the Node-RED web interface. In the center workspace, a flow is visible with an 'IBM IoT' node connected to a series of function nodes labeled TEMP, HUM, SMOKE, FAN1, FAN2, and SPRKLR. Below these, a 'get /sensor' node is connected to a 'function' node. On the right, the 'Edit chart node' panel is open, displaying settings for a chart node. The 'Group' is set to '[Detection] Fire', 'Size' is '12 x 8', 'Label' is 'Smoke Sensor', 'Type' is 'Line chart', and 'X-axis' is 'last 10 minute'. The 'X-axis Label' is 'HH:mm:ss'. The 'Y-axis' has 'min' and 'max' fields. The 'Legend' is set to 'Show' and 'Interpolate' is 'linear'. The 'Series Colours' section shows a grid of color swatches. A speech bubble points to the 'dashboard' sidebar on the right, which contains a 'Detection' tab.

Dashboard creation in Node red

Displaying dashboard values in the webpage



Dashboard values display