

Publish Data to IBM Cloud

Date	14 November 2022
Team ID	PNT2022TMID24952
Project Name	Industry-specific intelligent fire management system

The screenshot displays the Wokwi IDE interface. On the left, the Sketch.ino file is open, showing a C++ program that connects an ESP32 to the IBM Watson IoT Platform. The code includes headers for WiFi and PubSubClient, defines device parameters (ORG, DEVICE_TYPE, DEVICE_ID, TOKEN), and sets up a callback function for receiving data. The setup function initializes the serial port, analog resolution, and pin modes. The main loop calls the callback function.

On the right, the Simulation window shows a visual representation of the ESP32 board connected to a USB cable. Below the simulation, the console output indicates the device is connected to the WiFi network and provides the IP address (10.10.0.2). The console also shows the device is reconnecting to the IBM Watson IoT Platform.

At the bottom, the IBM Watson IoT Platform interface is visible. It shows a list of devices, with the selected device (ID: 12345) displaying its recent events. The events table shows a stream of data points, including temperature readings and alerts.

Event	Value	Format	Last Received
Data	["temp":21.37]	json	a few seconds ago
Data	["temp":21.37]	json	a few seconds ago
Data	["temp":14.4]	json	a few seconds ago
Data	["ALERT":63.94]	json	a few seconds ago
Data	["ALERT":37.43]	json	a few seconds ago

0 Simulations running