

TEAM ID	PNT2022TMID47365
PROJECT	Smart Waste Management System For Metropolitan Cities

DEVELOP THE PYTHON SCRIPT

Publish Data to IBM Cloud :

The screenshot shows the IBM Watson IoT Platform interface. A device with ID 1234 is listed as 'Disconnected'. The 'Recent Events' tab displays the following data:

Event	Value	Format	Last Received
eventbatch11	{"randomNumber":96,"temp":36,"hum":92}	json	a few seconds ago
eventbatch11	{"randomNumber":12,"temp":39,"hum":91}	json	a minute ago
Data	{"Distance":84.95,"ALERT!":"Distance less than ...	json	2 minutes ago
Data	{"Distance":84.95,"ALERT!":"Distance less than ...	json	2 minutes ago
eventbatch11	{"randomNumber":27,"temp":28,"hum":84}	json	2 minutes ago

1 Simulation running

The Python script output shows the following data points published to IBM Watson:

- Published Temperature = 20 C Humidity = 72 % to IBM Watson
- Published Temperature = 61 C Humidity = 76 % to IBM Watson
- Published Temperature = 60 C Humidity = 28 % to IBM Watson
- Published Temperature = 89 C Humidity = 82 % to IBM Watson
- Published Temperature = 98 C Humidity = 9 % to IBM Watson
- Published Temperature = 55 C Humidity = 8 % to IBM Watson
- Published Temperature = 2 C Humidity = 24 % to IBM Watson
- Published Temperature = 37 C Humidity = 3 % to IBM Watson
- Published Temperature = 19 C Humidity = 52 % to IBM Watson
- Published Temperature = 36 C Humidity = 41 % to IBM Watson
- Published Temperature = 70 C Humidity = 42 % to IBM Watson
- Published Temperature = 55 C Humidity = 99 % to IBM Watson
- Published Temperature = 48 C Humidity = 27 % to IBM Watson
- Published Temperature = 25 C Humidity = 89 % to IBM Watson
- Published Temperature = 35 C Humidity = 41 % to IBM Watson
- Published Temperature = 89 C Humidity = 9 % to IBM Watson
- Published Temperature = 74 C Humidity = 87 % to IBM Watson
- Published Temperature = 45 C Humidity = 55 % to IBM Watson
- Published Temperature = 10 C Humidity = 55 % to IBM Watson
- Published Temperature = 4 C Humidity = 36 % to IBM Watson
- Published Temperature = 51 C Humidity = 46 % to IBM Watson
- Published Temperature = 24 C Humidity = 33 % to IBM Watson
- Published Temperature = 87 C Humidity = 45 % to IBM Watson
- Published Temperature = 39 C Humidity = 39 % to IBM Watson
- Published Temperature = 93 C Humidity = 91 % to IBM Watson
- Published Temperature = 34 C Humidity = 29 % to IBM Watson
- Published Temperature = 73 C Humidity = 11 % to IBM Watson
- Published Temperature = 32 C Humidity = 84 % to IBM Watson
- Published Temperature = 65 C Humidity = 96 % to IBM Watson
- Published Temperature = 63 C Humidity = 76 % to IBM Watson
- Published Temperature = 86 C Humidity = 89 % to IBM Watson

The background dashboard shows the device (ID 1234) is now 'Connected'. The 'Recent Events' tab displays the following data:

Event	Value	Form
IoTSensor	{"temp":86,"Humid":89}	json
IoTSensor	{"temp":63,"Humid":76}	json
IoTSensor	{"temp":65,"Humid":96}	json
IoTSensor	{"temp":32,"Humid":84}	json
IoTSensor	{"temp":73,"Humid":11}	json

1 Simulation running

