

Create IBM Watson IoT Platform And Device

IBM Watson IoT Platform is a complete end-to-end solution for IoT needs. It integrates a bundled set of services to connect, capture, register, analyze, and archive your IoT devices and data.

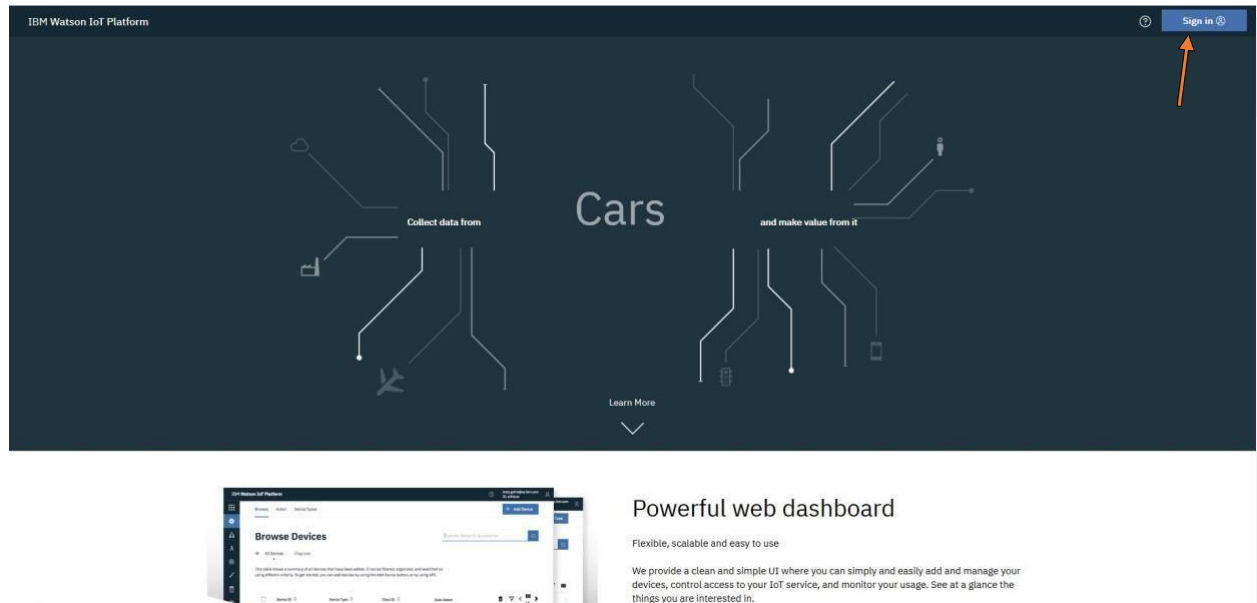
This is part two of a two-part series. This document is a simple, easy to follow process to connect a device to IBM Watson IoT Platform. It will go through connecting via an MQTT connection.

I. Login to IBM Watson IoT Platform to Verify Connection

STEP1:

Go to URL - <https://internetofthings.ibmcloud.com/>

Click Sign in



STEP2:

Enter an IBMid and click Continue
(Click Remember Me if you want)



Log in to IBM

IBMId

[Forgot IBMId?](#)

☒ Remember me [?](#)

Continue

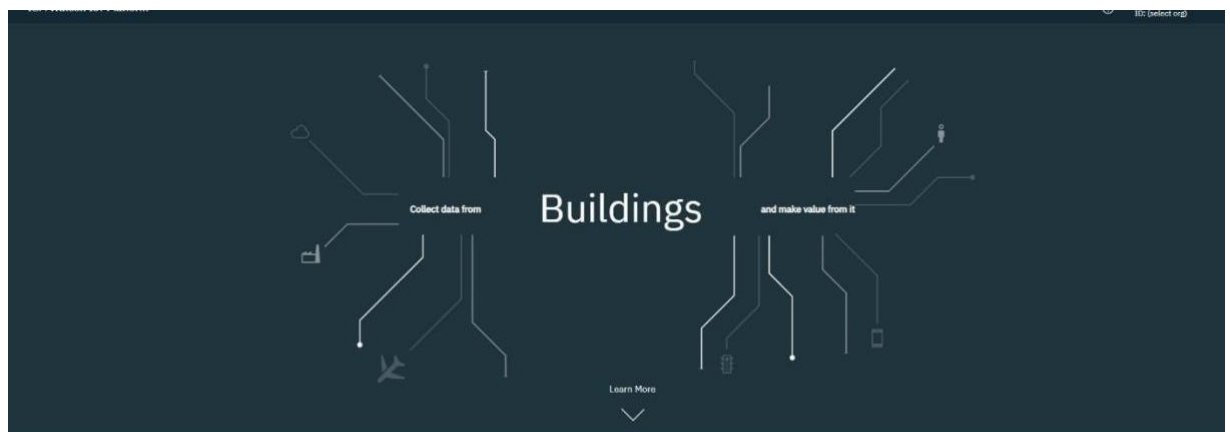
Don't have an account? [Create an IBMId](#)

Need help? [Contact the IBMId help desk](#)

[Contact](#) [Privacy](#) [Terms of use](#) [Accessibility](#) [Cookie preferences](#)

Enter the Password and click Login
(Click Remember Me if you want)

You are now logged into IBM Watson IoT Platform



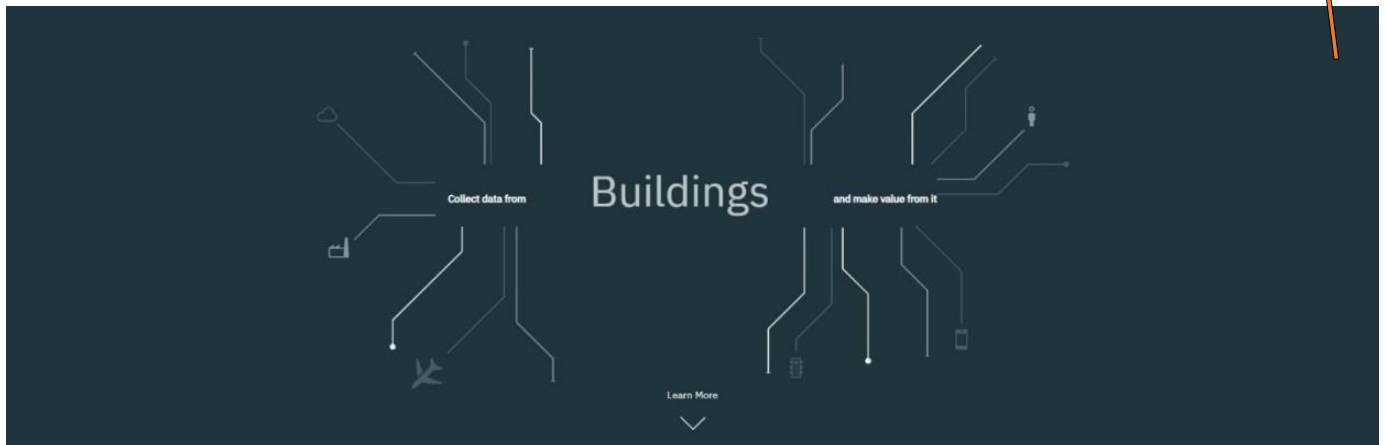
Powerful web dashboard

Flexible, scalable and easy to use

We provide a clean and simple UI where you can simply and easily add and manage your devices, control access to your IoT service, and monitor your usage. See at a glance the things you are interested in.

STEP3:

Click select org



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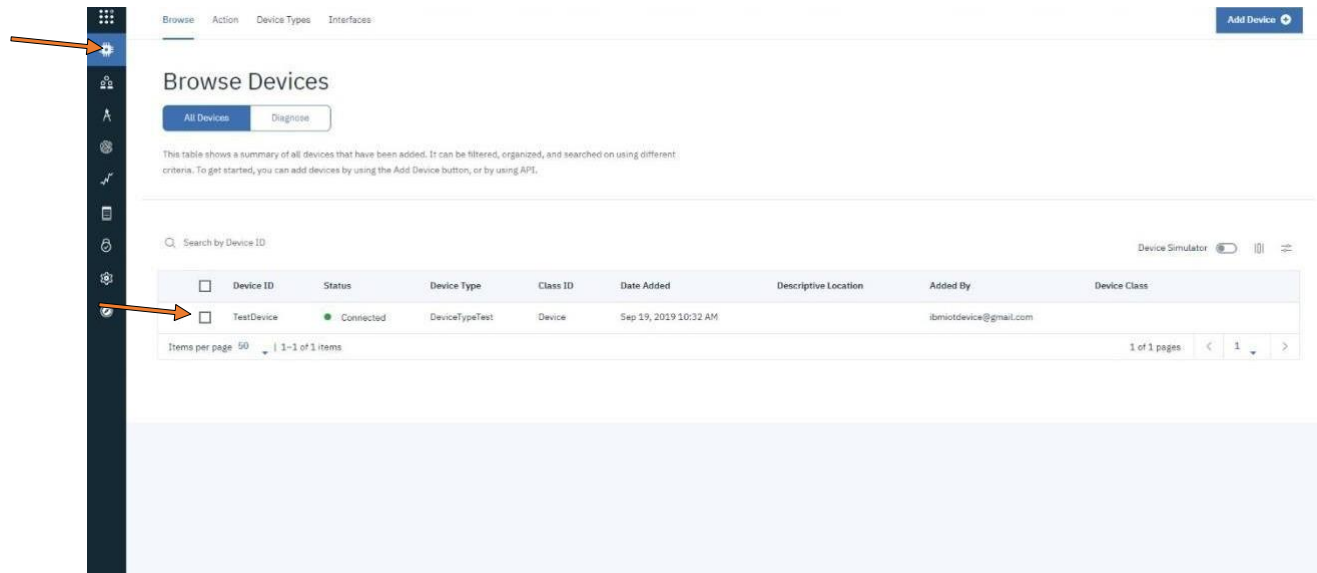
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STEP4:

Click Devices option and see that the device is Connected.



Browse Devices

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

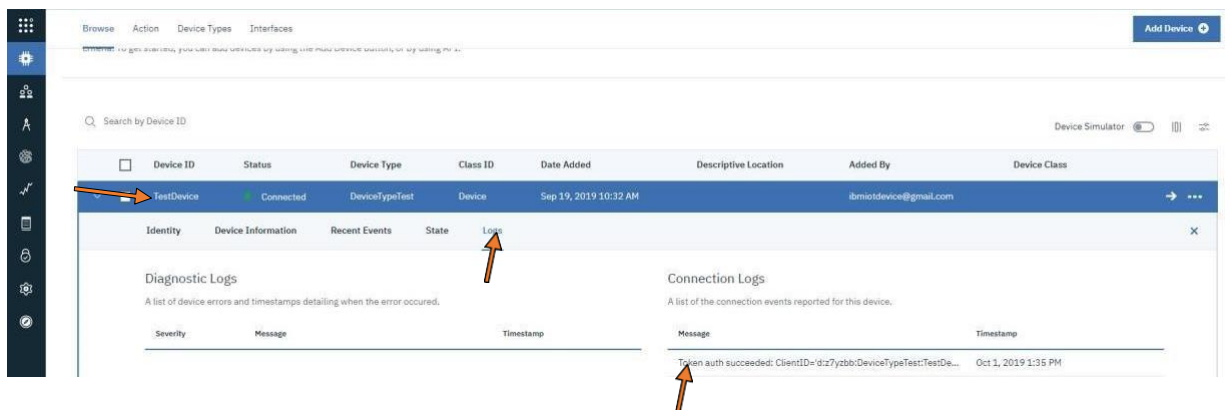
Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class
TestDevice	Connected	DeviceTypeTest	Device	Sep 19, 2019 10:32 AM		ibmsotdevice@gmail.com	

Items per page 50 | 1-1 of 1 items

1 of 1 pages

STEP 5:

Click the device and Logs and see that the connection was made



TestDevice

Diagnostic Logs

A list of device errors and timestamps detailing when the error occurred.

Severity	Message	Timestamp
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Connection Logs

A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID=d1z7yzzb:DeviceTypeTest:TestDe...	Oct 1, 2019 1:35 PM

STEP6:

Click Recent Events and see the data that was sent from the device to IBM Watson IoT Platform .

The screenshot shows the AWS IoT console interface. At the top, there are tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. On the right, there is an 'Add Device' button. Below these, there are buttons for 'All Devices' and 'Diagnose'. A text box explains that the table shows a summary of all devices and can be filtered, organized, and searched. Below this, there is a search bar labeled 'Search by Device ID'. The main content area shows a table of devices. The first device is 'TestDevice', which is 'Connected'. It has a 'Device Type' of 'DeviceTypeTest', a 'Class ID' of 'Device', a 'Date Added' of 'Sep 19, 2019 10:32 AM', a 'Descriptive Location', and an 'Added By' of 'bmcs@device@gmail.com'. Below the device table, there is a section for 'TestDevice' with tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is selected, and it shows a list of recent events. An arrow points to the 'Recent Events' tab. The events are listed in a table with columns: Event, Value, Format, and Last Received. The events are all of type 'event' and have a value of '[\"d\":{\"temp\":\"46.2\"}]' or '[\"d\":{\"temp\":\"45.6\"}]'. The format is 'json' and the last received time is 'a few seconds ago'.

Event	Value	Format	Last Received
event	[\"d\":{\"temp\":\"46.2\"}]	json	a few seconds ago
event	[\"d\":{\"temp\":\"46.2\"}]	json	a few seconds ago
event	[\"d\":{\"temp\":\"46.2\"}]	json	a few seconds ago
event	[\"d\":{\"temp\":\"46.2\"}]	json	a few seconds ago
event	[\"d\":{\"temp\":\"45.6\"}]	json	a few seconds ago