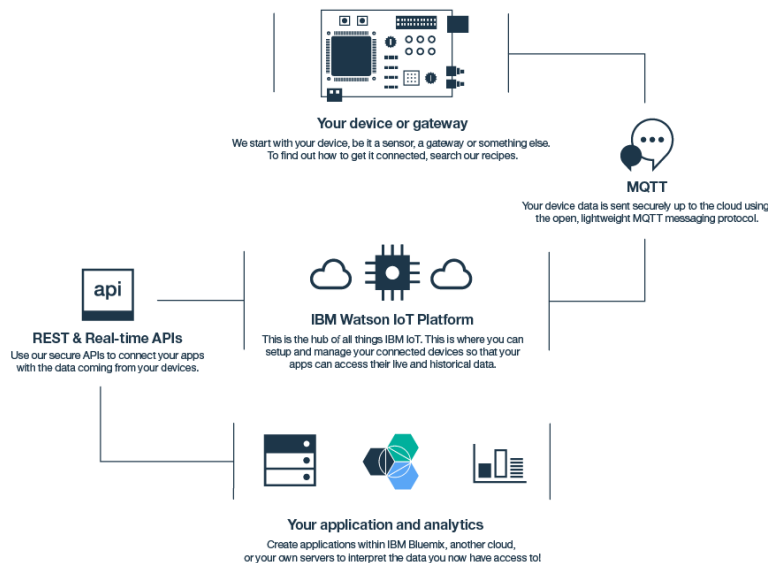# IBM Watson

IBM also has a IoT Platform that is unique. It builds an application that can communicate with the device, also monitor your real-time device data through rules, analytics, and dashboards. Define rules to monitor conditions and trigger automatic actions that include alerts, email, IFTTT, Node-RED flows, and external services to react quickly to critical changes. Additionally, it can provide risk and security management for the system.
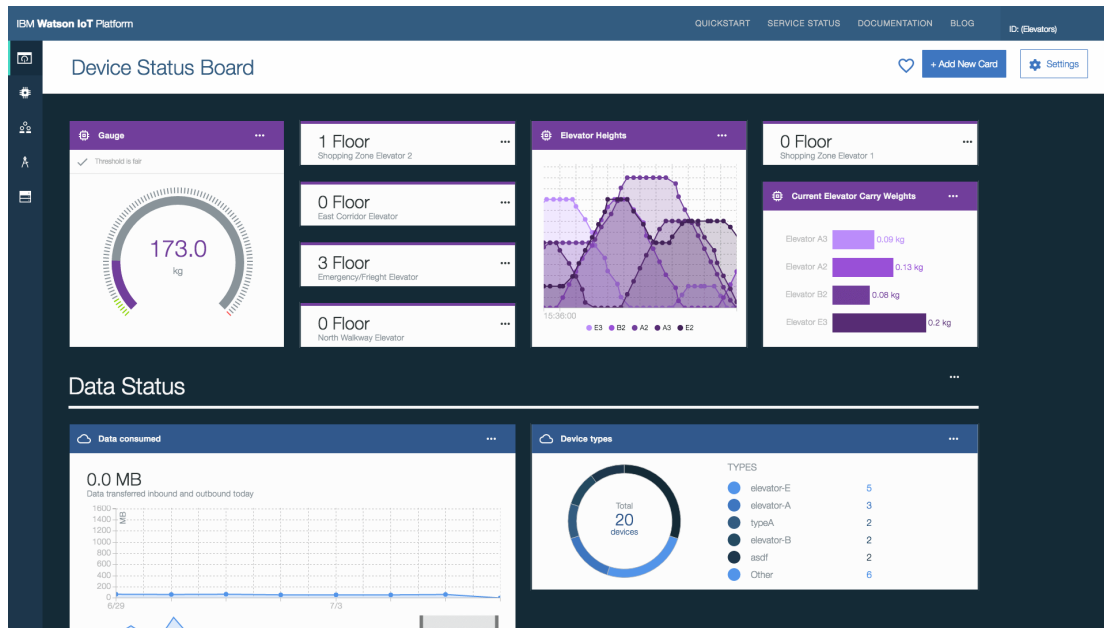
The structure of the IoT platform.

Your device or gateway
We start with your device, be it a sensor, a gateway or something else. To find out how to get it connected, search our recipes.

MQTT
Your device data is sent securely up to the cloud using the open, lightweight MQTT messaging protocol.

api

REST & Real-time APIs
Use our secure APIs to connect your apps with the data coming from your devices.

IBM Watson IoT Platform
This is the hub of all things IBM IoT. This is where you can setup and manage your connected devices so that your apps can access their live and historical data.

Your application and analytics
Create applications within IBM Bluemix, another cloud, or your own servers to interpret the data you now have access to!

How to use it:

Step 1. Connect your devices to the IoT platform.

Step 2. Start exploring the real-time data that the devices are sending to Watson IoT Platform. Watson IoT Platform includes the following analytics tools: Boards and cards to visualize your real-time device data. Rules and actions that are triggered by real-time device data.

Also, you can customize your device boards.

Step 3. Create applications to consume the device data.

The special part is that Watson also some other product that are very interesting.

1. Watson Discovery

   This is a search engine that helps developers quickly ingest data and find the potential patterns and answer, helps to make better decision. Mainly deal with news or social media.

2. Watson Conversation

   It allows you to build, test and deploy a bot or virtual agent across mobile devices, messaging platforms and physical robot. It has a visual dialog builder to help you create natural conversations between apps and users.

3. Watson Virtual Agent

   Watson virtual agent is a way to provide automated service to the customers. The virtual agent offers a conversational self-service experience and provide relevant answers.

4. Watson Knowledge Studio

   With the help of supervised learning techniques, the developers can use their knowledge to create custom annotator components for unique industries.