

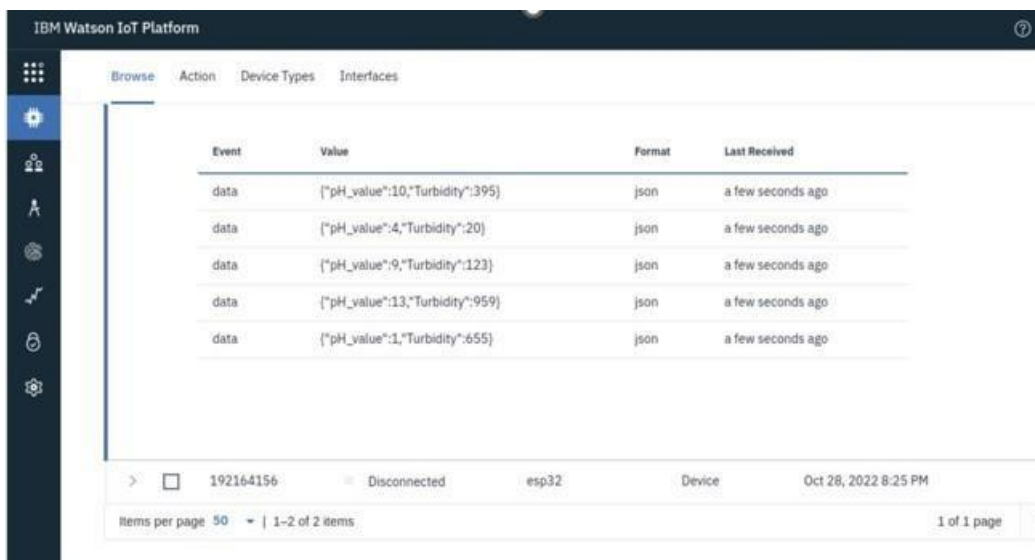
## BUILD MOBILE APP

### CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

Date	22 November 2022
Team ID	PNT2022TMID48605
Project Name	Real-time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

This is created through the use of gateway nodes to create a **Virtual Data Warehouse**. This Virtual Data Warehouse allows application developers to map access to remote data points.

This software -defined gateway is run adjacent to the application it serves and can be deployed within a cloud environment or in a data center.

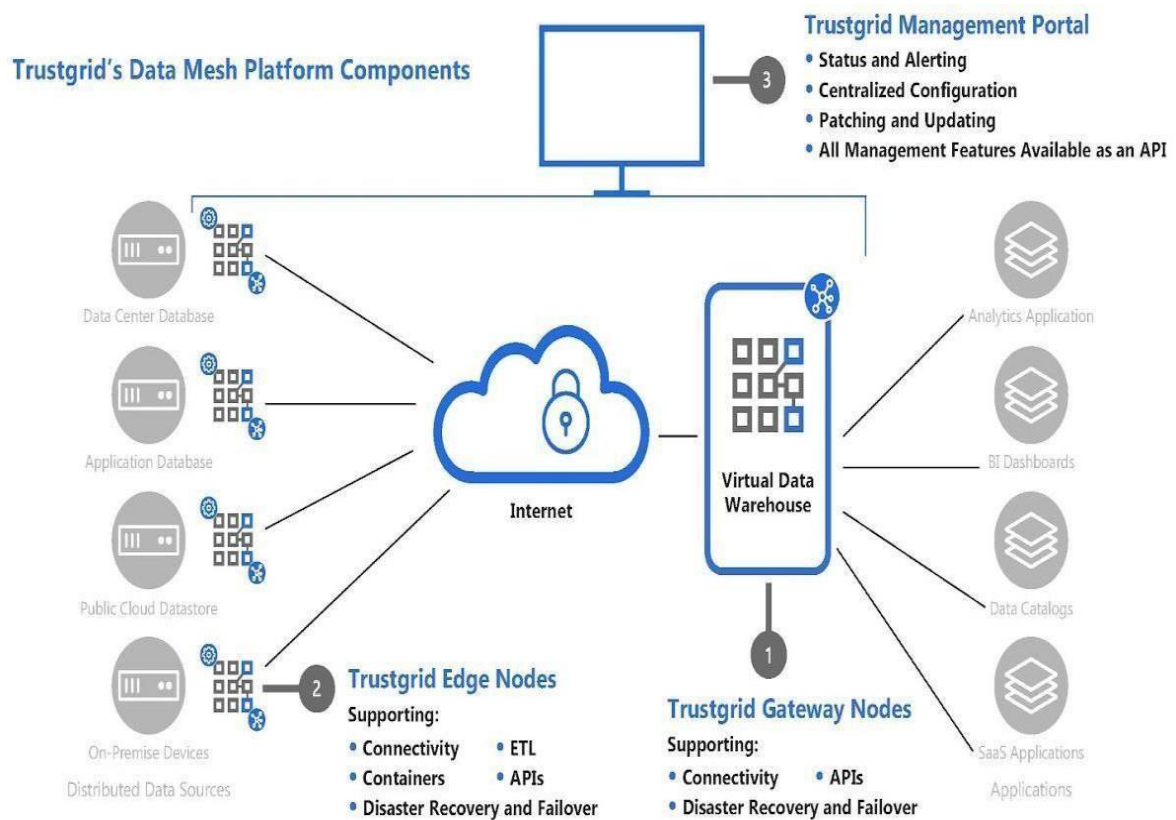


The screenshot displays the IBM Watson IoT Platform interface. At the top, there's a header bar with the text "IBM Watson IoT Platform" and a help icon. Below the header, there's a navigation bar with tabs: "Browse", "Action", "Device Types", and "Interfaces". The "Browse" tab is selected. On the left side, there's a vertical sidebar with various icons representing different functions. The main content area shows a table with the following columns: "Event", "Value", "Format", and "Last Received". The table contains five rows of data, each representing a data event. Below the table, there's a status bar showing a device ID "192164156", a status "Disconnected", a device type "esp32", and a timestamp "Oct 28, 2022 8:25 PM". At the bottom, there's a pagination bar showing "Items per page 50" and "1-2 of 2 items".

Event	Value	Format	Last Received
data	{"pH_value":10,"Turbidity":395}	json	a few seconds ago
data	{"pH_value":4,"Turbidity":20}	json	a few seconds ago
data	{"pH_value":9,"Turbidity":123}	json	a few seconds ago
data	{"pH_value":13,"Turbidity":959}	json	a few seconds ago
data	{"pH_value":1,"Turbidity":655}	json	a few seconds ago

> ☐ 192164156 ☐ Disconnected esp32 Device Oct 28, 2022 8:25 PM

Items per page 50 | 1-2 of 2 items 1 of 1 page <



This Virtual Data Warehouse allows for the virtual aggregation of data so that an application (or many applications) can easily consume it. Once a data source is added to the Virtual Data Warehouse an application has secure, real-time, persistent access to that data set.

**Hardware device** – The hardware device is one of the easiest methods of deployment because Trust grid handles all of the software imaging, logistics and deployment support for the end-user. A hardware appliance is ideal for environments with limited onsite support