

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

Date	03 November 2022
Team ID	PNT2022TMID41673
Project Name	Project – IOT Based 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.

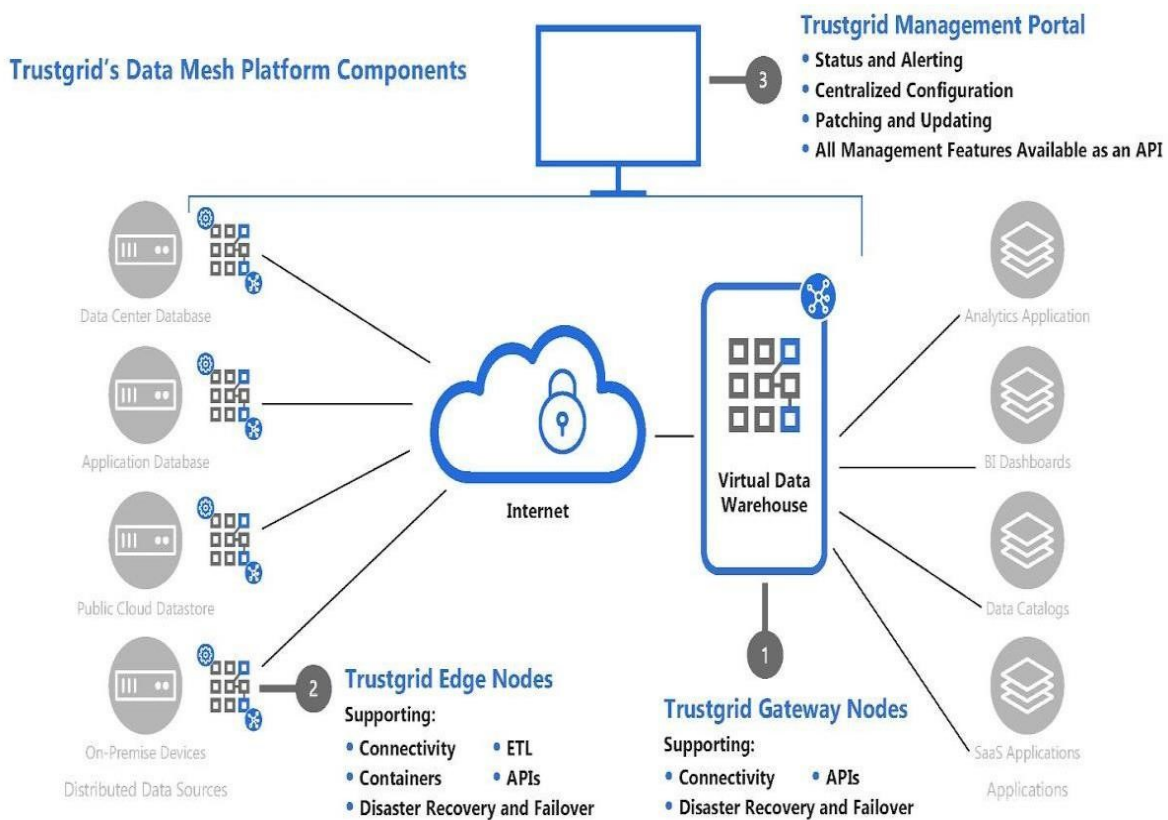
The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows 'IBM Watson IoT Platform' and a user profile for 'kannanmai2ma...@gmail.com' with ID 'H6d44t'. The main navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. The first device listed is '123435', which is 'Disconnected' and of type 'new'. Below the table, a modal window titled 'Recent Events' is open, showing a live stream of data from the device. The modal has tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, displaying a table with columns: Event, Value, Format, and Last Received. The events are JSON data points for Turbidity and pH values. At the bottom right, a status box indicates '1 Simulation running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123435	Disconnected	new	Device	Nov 8, 2022 12:08 PM	

Event	Value	Format	Last Received
data	{"Turbidity":203,"pH_value":8}	json	a few seconds ago
data	{"Turbidity":597,"pH_value":12}	json	a few seconds ago
data	{"Turbidity":110,"pH_value":10}	json	a few seconds ago
data	{"Turbidity":608,"pH_value":9}	json	a few seconds ago
data	{"Turbidity":393,"pH_value":10}	json	a few seconds ago

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1 Simulation running



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