

# BUILD MOBILE APP

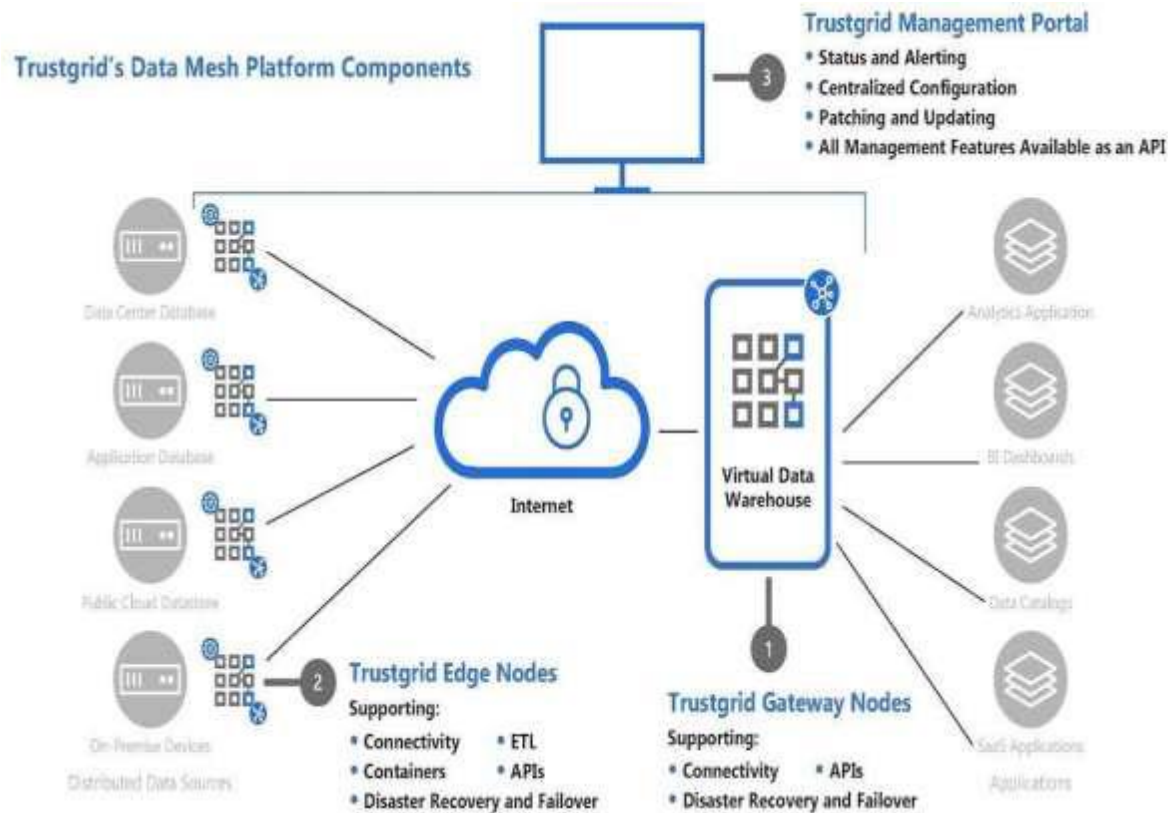
## CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

TEAM ID	PNT2022TMID36752
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. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area shows a device named 'd2327' with a status of 'Connected' and an assignment of 'Assignment4'. Below this, a tabbed interface shows 'Recent Events' selected, displaying a table of live data events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are all 'Data' type, with values representing distance and object status in JSON format, received 'a few seconds ago'.

Event	Value	Format	Last Received
Data	{"distance":403.54,"object":"No"}	json	a few seconds ago
Data	{"distance":403.49,"object":"No"}	json	a few seconds ago
Data	{"distance":403.47,"object":"No"}	json	a few seconds ago
Data	{"distance":403.49,"object":"No"}	json	a few seconds ago
Data	{"distance":403.49,"object":"No"}	json	a few seconds ago



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