

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROMCLOUD

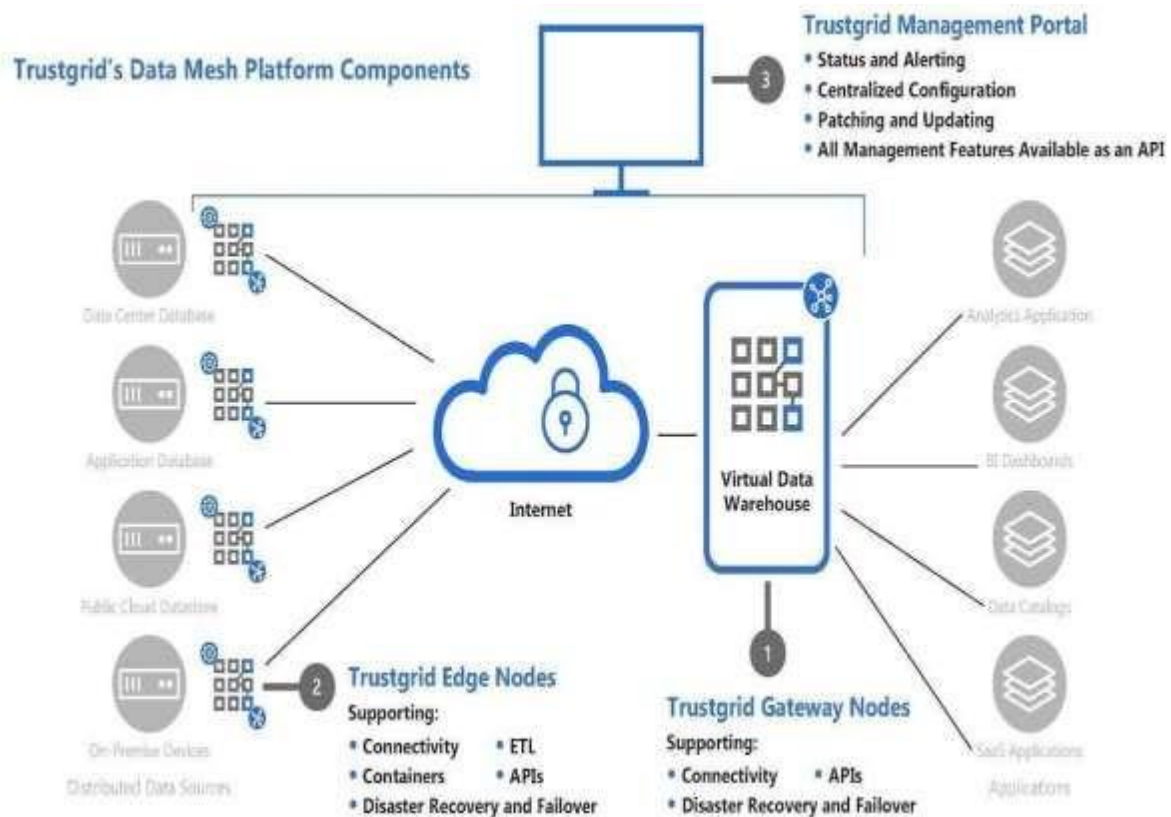
TEAM ID	PNT2022TMID30534
PROJECT NAME	Real-Time River Water Quality Monitoring and Control System
MARKS	4 Marks

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 functions. The main content area shows a list of devices, with 'TEST' (ESP8266) selected and highlighted in blue. Below the device list, a 'Recent Events' tab is active, displaying a table of live data streams. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The data shows multiple readings for 'Data2' (Water PH and Humidity) and 'Data1' (Temperature) in JSON format, all received 'a few seconds ago'.

Event	Value	Format	Last Received
Data2	{"d":{"Name":"TEST","WATER PH":61}}	json	a few seconds ago
Data2	{"d":{"Name":"TEST","Humidity":59}}	json	a few seconds ago
Data1	{"d":{"Name":"TEST","Temperature":26.8}}	json	a few seconds ago
Data2	{"d":{"Name":"TEST","WATER PH":62}}	json	a few seconds ago
Data2	{"d":{"Name":"TEST","Humidity":59}}	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