

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

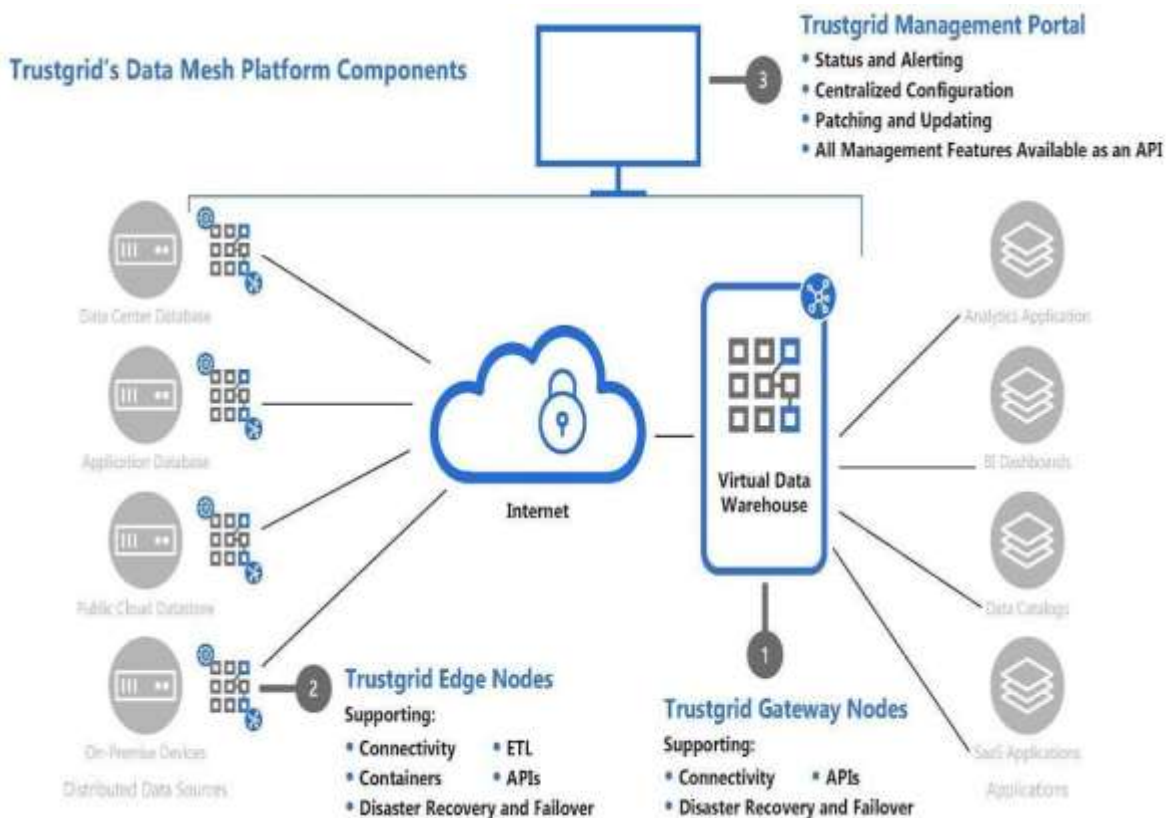
Date	05 November 2022
Team ID	PNT2022TMID07524
Project Name	Project – Real Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

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 web interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar for 'Search by Device ID' is present. The main content area shows a list of devices. The selected device, '00012', is highlighted in blue. Below the device list, the 'Recent Events' tab is active, showing a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with values like '["Tutis9ty":613,"pH_value":7]', '["Tutis9ty":573,"pH_value":7]', '["Tutis9ty":671,"pH_value":7]', '["Tutis9ty":299,"pH_value":12]', and '["Tutis9ty":307,"pH_value":12]'. The format for all events is 'json'. The last received times are 'a few seconds ago', 'a few seconds ago', 'a few seconds ago', 'a few seconds ago', and 'a minute ago'. At the bottom right, a status indicator shows '2 Simulations running'.

Event	Value	Format	Last Received
event_1	["Tutis9ty":613,"pH_value":7]	json	a few seconds ago
event_1	["Tutis9ty":573,"pH_value":7]	json	a few seconds ago
event_1	["Tutis9ty":671,"pH_value":7]	json	a few seconds ago
event_1	["Tutis9ty":299,"pH_value":12]	json	a few seconds ago
event_1	["Tutis9ty":307,"pH_value":12]	json	a minute 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