

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

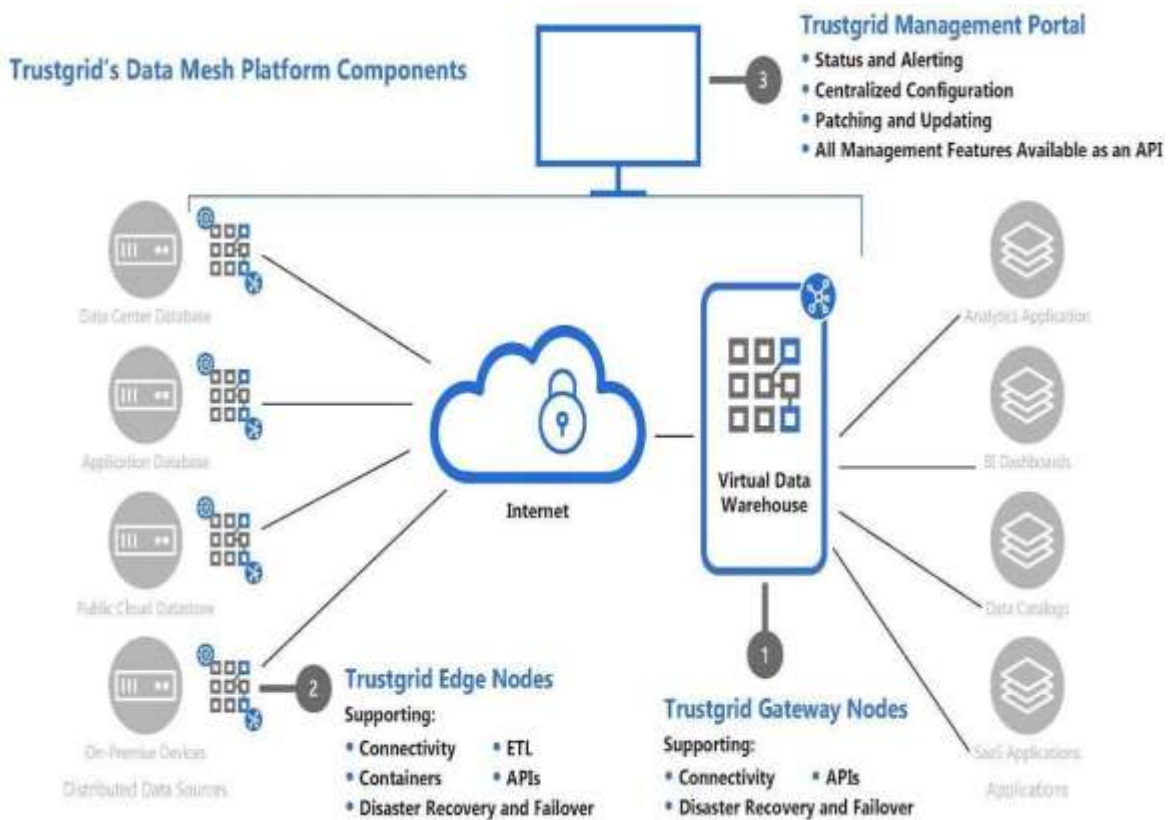
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|---------------|---|
| Date | 05 November 2022 |
| Team ID | PNT2022TMID37103 |
| Project Name | Project – Real Time River Water Quality Monitoring and Control System |
| Maximum Marks | 4 Marks |

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, '000122', 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 '["Turbidity":613,"pH_value":7}' and '["Turbidity":573,"pH_value":7}', all in 'json' format. The 'Last Received' column shows times like 'a few seconds ago' and 'a minute ago'. At the bottom right, a status indicator says '2 Simulations running'.

| Event | Value | Format | Last Received |
|---------|---------------------------------|--------|-------------------|
| event_1 | ["Turbidity":613,"pH_value":7} | json | a few seconds ago |
| event_1 | ["Turbidity":573,"pH_value":7} | json | a few seconds ago |
| event_1 | ["Turbidity":671,"pH_value":7} | json | a few seconds ago |
| event_1 | ["Turbidity":299,"pH_value":12} | json | a few seconds ago |
| event_1 | ["Turbidity":307,"pH_value":13} | 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