

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

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|---------------|---|
| Date | 03 November 2022 |
| Team ID | PNT2022TMID04198 |
| 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 DataWarehouse**. 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.

IBM Watson IoT Platform

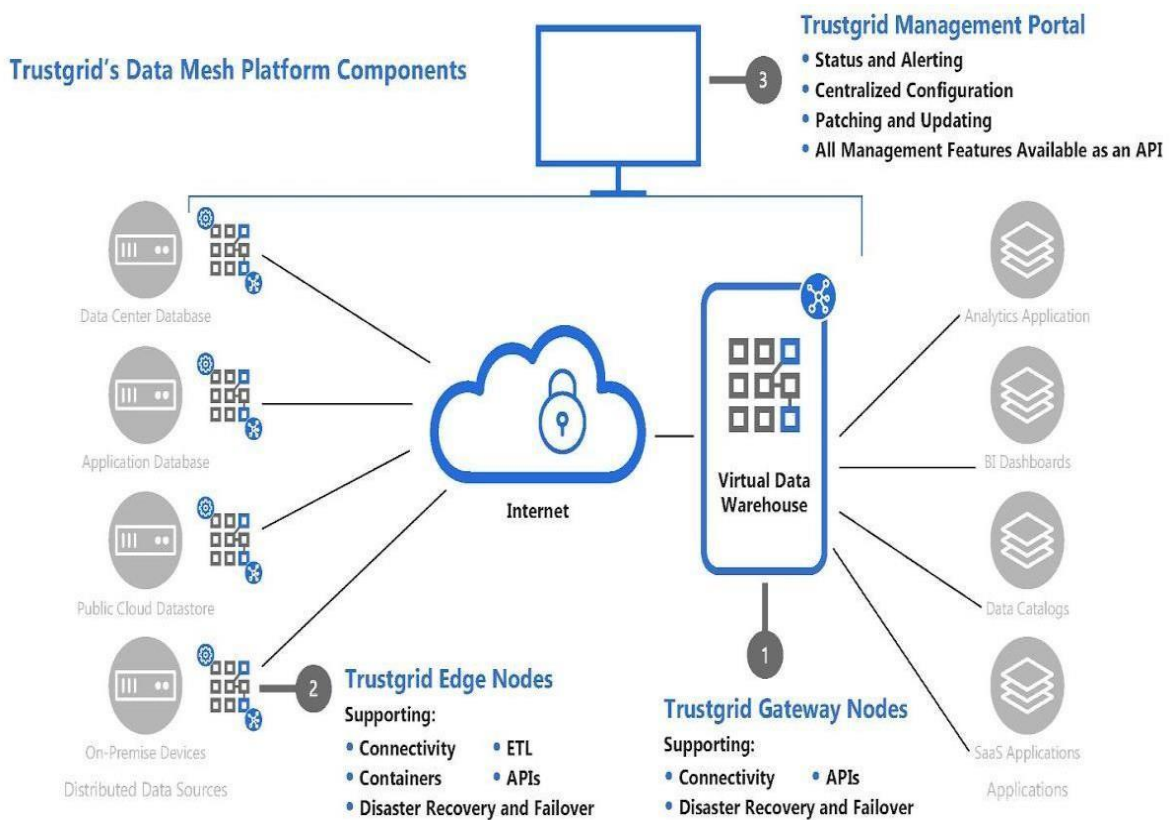
19164156
ID: 19164156

BrowseActionDevice TypesInterfaces

| Event | Value | Format | Last Received |
|-------|---------------------------------|--------|-------------------|
| data | {"pH_value":10,"Turbidity":395} | json | a few seconds ago |
| data | {"pH_value":4,"Turbidity":20} | json | a few seconds ago |
| data | {"pH_value":9,"Turbidity":123} | json | a few seconds ago |
| data | {"pH_value":13,"Turbidity":959} | json | a few seconds ago |
| data | {"pH_value":1,"Turbidity":655} | json | a few seconds ago |

> ☐ 192164156 Disconnected esp32 Device Oct 28, 2022 8:25 PM

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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.