

Building Mobile App

1. Configure the application to receive the data from cloud

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|---------------|---------------------------------------------------------------------|
| Date | 5 November 2022 |
| Team ID | PNT2022TMID11545 |
| Project Name | project-Real Time River Water Quality Monitoring And Control System |
| Maximum Marks | 4 Mks |

Mobile App:

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.

| Identity | Device Information | Recent Events | State | Logs |
|--------------------------------------------------------------------------------------------------|----------------------------|---------------|-------------------|------|
| The recent events listed show the live stream of data that is coming and going from this device. | | | | |
| Event | Value | Format | Last Received | |
| event_1 | {"pH value,turbidity":603} | json | a few seconds ago | |
| event_1 | {"pH value,turbidity":612} | json | a few seconds ago | |
| event_1 | {"pH value,turbidity":231} | json | a few seconds ago | |
| event_1 | {"pH value,turbidity":662} | 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 Trustgrid 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.



