

Building Mobile App
1. Configure the application to receive the data from cloud

Date	14 November 2022
Team ID	PNT2022TMID15957
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.



Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices

Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

🔍 Search by Device ID

Device Simulator ☒

101



<input type="checkbox"/>	Device ID	Status	Device Type	Class ID
>	<input type="checkbox"/> 10987654321	Disconnected	IOT_RTRWQMACS	Device
✓	<input checked="" type="checkbox"/> 24681012	Disconnected	Iot-Rtrwqmacs	Device

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
event_1	{"pH value,turbidity":734}	json	a few seconds ago

Simulations

Import/Export simulation



1/50 Simulations Running

+ New Simulation

> ☐ IOT_RTRWQMACSDevice Type
Iot-Rtrwqmacs🔑 1 Event ☒ 🗑

Items per page 50 | 1-3 of 1

1 Device

🔧 24681012



1 x

Create Simulated Device

Use Registered Device

64 events sent

1.92 KB sent >

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.

