

BUILD MOBILE APP

CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

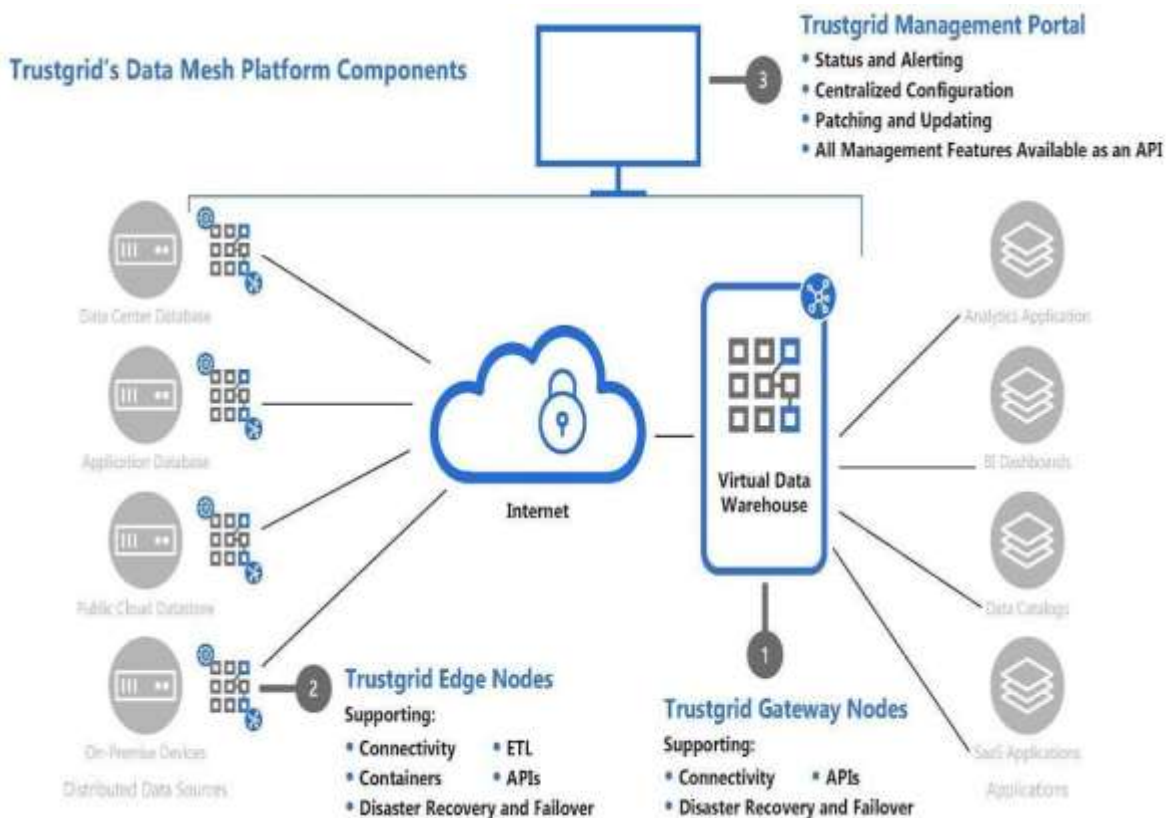
DATE	10 November 2022
TEAM ID	PNT2022TMID09598
PROJECT NAME	Real-Time River Water Quality Monitoring and Control System
MARKS	4 Marks

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 interface. The top navigation bar includes 'Service Details - IBM Cloud', 'IBM Watson IoT Platform', and a browser tab for 'x2z1q7.internetofthings.ibmcloud.com/dashboard/devices/browse'. The main content area shows the 'Recent Events' tab for a device named 'abcd_1'. The device status is 'Connected' and the last update was on 'Nov 7, 2022 3:35 PM'. A table lists five recent events, all of type 'eventflow', each containing a JSON payload with random numbers, temperature, and humidity. The events were received 'a few seconds ago'. The bottom of the screen shows 'Items per page 50' and '1-2 of 2 items', along with a status indicator '1 Simulation running'.

Event	Value	Format	Last Received
eventflow	{"randomNumber":85,"temp":103,"hum":66}	json	a few seconds ago
eventflow	{"randomNumber":35,"temp":91,"hum":73}	json	a few seconds ago
eventflow	{"randomNumber":6,"temp":109,"hum":75}	json	a few seconds ago
eventflow	{"randomNumber":40,"temp":106,"hum":78}	json	a few seconds ago
eventflow	{"randomNumber":69,"temp":93,"hum":69}	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 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