CENTRAL QUEENSLAND UNIVERSITY COIT20260- CLOUD COMPUTING FOR SMART APPLICATIONS

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Introduction

The focus of the report is based on the development of the smart applications where there is a application development for AB Pty. Ltd company. With the changing development of the difference, there is a need to develop the smart applications along with properly delivering the services to the other party providers. The foundation is based on offering the IBM BlueMixwith hold of the alerts that are being transferred to the management for the problems that are faced by the trucks. The content and the images is based on the development of the applications with properly handling the delivery of the products. The Information and Communication Technology has been for the development of smart applications with proper designing solutions that will allow the companies to work and track the movement. The Message Queue Telemetry Transfer protocol has been set where there is a major focus on the breakdown of the trucks which has been considered to be the severe activity with the productivity and the growth of the company. For this, the focus has been on sending the destination changes to the truck with the focus on handling the designing plans and the applications as per the presentations. The report is based on the deployment plan along with using the IBM BlueMix services. It focuses on handling the MQTT with the analysis that includes the CBD and QID depending upon the changes of the company. (Gheith, 2016). The analysis is based on handling the improvements with the development of connections to the smart vehicle applications. AB Truck Scheduling system has been set for the handling of the different products that have been mainly to connect to the smart vehicle application.

Proposed Solution

The focus has been on designing the solutions with the proper management that will be able to keep a track of the truck routes along with the requests that are important for the nearest possible route. The system analysis is based on hiring the owned with the solution of dividing the entire area into the zones of east, west, north and south. This is for the allocation of the

trucks for the zones with setting limits to travel in a particular zone of time. It is based on allowing the truck drivers to properly update the information timely and work on handling company management. The management needs to work on the immediate repairing services to the truck with the breakdown. There has been development of the smart applications with the proper handling of the Internet of Things. The analysis is based on allowing the proper monitoring and moving of the devices from the BlueMix application. The messaging is based on handling the development for the one-to-many message distribution along with the decoupling. (Kim et al., 2016).

The justifications are based on the fact where there is a need to allow the setting with properly managing the devices that have been connected. This will help in holding the MQTT protocol for the data collection along with the other communications that have been done to the server. The main goal for this is to handle the transfer of devices with proper set of the large network.

Analysis

As per the geographical changes in the regions, there is a need to focus on handling the vehicle simulator device which is directly attached to the system to take hold of the internet or the system. Connections. The force is mainly to deliver the drivers to work on the duty property. Here, there is a need to handle the management with properly checking the repairing needs of the vehicle along with alert to the management for the same. The IBM BlueMix has been able to allow the defined geographical regions to control the devices and work on the interface that will be able to control the movement with the connected things and the vehicle simulation. The applications are based on managing the tasks with the analysis to detect the triggered events with the vehicles.

BlueMix is set for the development and deployment plan that includes the applications for the DevOps services. Hence, the setup is for the server to run the codes along with properly working on the deployment application. The configuration is based on flow to monitor and work on the Node Red device simulations to send the messages for the device of MQTT. The basis features of the application where the management needs to monitor and track the locations with proper alert messages that have been forwarded for the management of the truck with exit and enter. The specifications are based on handling the checking where the drivers are also allowed to send the alert messages based on the repair requirement. As per the proposed application, there is a need for routing the beneficial solutions with properly working on the Geospatial and the IoT Foundations. This directs to the report where the information has been mainly for the development. (Murhty et al., 2015).

Conclusion

With this, there has been a proper setup of the transportation where there is a publicising and subscribing of the message protocol which is important to transfer the information. This will help in handling the vehicles and applications that have been for the management purpose. A proper justification is for the IoT services that are offered with the increase in the utilisation of the resources of the company. (Raggett et al., 2015). This will allow the organisation to properly connect with the cloud and get the information related to the real-time connection.

Reference

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