

Sub: Cloud Computing

Activity - 4

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- Q1) Read the following case study and answer:
 - Your company has developed a new mobile app that became very popular in a short time. The App is hasted in a cloud platform that is facing terminant intermittient connectivity issues. As a enesult, some usens are unable to access the app or experiencing slow connection performance. The issue is impacting the company's reputation and revenue. As the CTO you are tasked with addressing the issue and ensuring that the app is highly and available and performs well,
 - Identify the good cause of the connectivity issues and are describe the steps you would take to expressive the

> Stop 1 Identify the Root Cause

Issue

- Monitoring and Data Analysis to search for connectivity issue patterns, performance and availability
- Engagement with cloud Platform Provider to determine if issue is in them side; like server, network or other intrastactual component
- Internal Review check app's cloud configuration, review load balancing policies, resource allocation, network setup, geographical distailbution
- User Feedback understand user experiences and And common triends like geographic location the ofday.

Step2 - Develop a Resolution Plan

- Infrastancture improvements check for overloaded servery, insufficient resources.
- Redundancy and Failorer Strategies -
- Network Improvements consider usinga content delivery returate to improve app delivery speed
- Code Optimization impreve cade for better performance Reduce date transfer size, optimize database queves

Implement the solution without introducing new step 3 - ensure thorough testing to ensure that app performs uell under various d'occumptances

By systematically addressing the root cause of the connectivity issue and implementing a comprehensive gresolution plan we can Improve the availability and performance of our mobile app therefore safeguarding our company's greputation and

of wheless senson network Q2) Discuss the Integration Envireconnect and its applications with Cloud Computing

Steps for Integration

-) Data Collection Wireless Senson Network consults of spatially distourbuted autonomous sensons that moniton physical or environmental conditions. These sensons collections data from environment
- 2) Data Transmission collected data is transmitted over a viseless retwork to a central processing unit
- 3) Cloud Integration Clouds scalable resources are used
- 4) Data Processing and Analysis -

- Smart Agriculture, Industrial Automation, Home Automation, Smart Oties, Health case Smart Agriculture Environment months Applications monitopons

Benefit

- Scalability - Flexibility
- Cost effectiveness
- Data management
- Real time processing

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