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COURSE : Wide Area Networks

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Assignment 2

Assumed you are the CEO of networking company and you will like to provide solutions to the problem encountered in your community using cloud services and WANs technologies

1. describe in your own words what is cloud services and give real words examples of cloud service that is used to explain how cloud services are changing our lives

2. Described a problem that you have noticed in your community/context that ca be solved using a power service

3. Explained, analyze and design the solution to the problem

ANSWERS

Cloud Services: Definition and Examples

Cloud services refer to a model of delivering computing resources and services over the internet, allowing users to access and utilize a shared pool of resources, such as servers, storage, applications, and services, on-demand and pay-per-use basis. Real-world examples of cloud services include:

- Google Drive: A cloud-based storage service that allows users to store and access files from anywhere, at any time.

- Microsoft Office 365: A cloud-based productivity suite that provides access to Microsoft Office applications, such as Word, Excel, and PowerPoint, from any device with an internet connection.

- Amazon Web Services (AWS): A comprehensive cloud platform that provides a wide range of services, including computing power, storage, databases, analytics, machine learning, and more.

These cloud services are changing our lives by:

- Enabling remote work and collaboration

- Providing scalable and flexible access to computing resources

- Enhancing data storage and management

- Improving business agility and innovation

One of the problems I have noticed in my community is the lack of access to quality health care services, particularly in rural areas. Patients often have to travel long distances to access medical facilities, which can lead to delayed treatment and poor health outcomes.

Solution to the problem highlighted above;

To address this problem I suggest a cloud-based telemedicine platform that leverages cloud services and WAN technologies to provide remote healthcare services to patients in rural areas. The platform would enable patients to consult with healthcare professionals remotely, reducing the need for travel and improving access to quality healthcare services.

Some benefits to this would be ;

- Improved access to quality healthcare services for patients in rural areas

- Reduced need for travel and wait times

- Enhanced patient engagement and empowerment

- Improved health outcomes and reduced healthcare costs

WAN Technologies:

- Internet: The platform would utilize the internet to provide secure and reliable connectivity between patients and healthcare professionals.

- VPN: A Virtual Private Network (VPN) would be used to ensure secure and encrypted data transmission between the platform and healthcare professionals.