Introduction to Cloud Storage

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ABSTRACT

This article explain introduction to cloud storage and also explain the types of cloud storage and define the merits and demerits, challenges and future scope of cloud storage. Cloud storage is storage Techniques that allow to store a data and information in online form by the network.
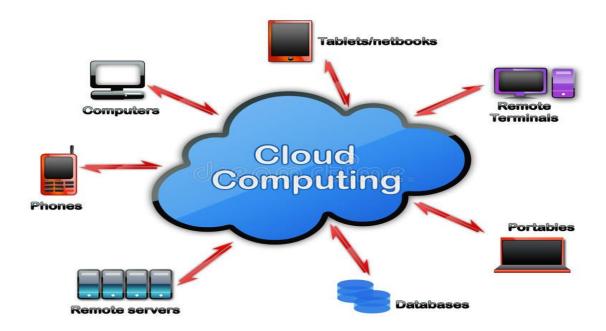
KEYWORDS

Cloud storage, types of cloud storage

INTRODUCTION

Cloud storage is a model of cloud computing technique. It's a storage technique. That store the data, file and document in internet. Cloud storage allows you to save the data, file, images, videos in a remote server mode by the network and retrieve the data anytime and anywhere with the internet connection.

Examples : Facebook, Instagram, G-mail and Google drive.

Cloud storage is used a large amount of data center is used in cloud storage because by physically storing the data, our data is made available to the users through the internet. Users have to pay according to their needs. It is a progress technology in which we provide the service of securing, managing, and accessing our information.

TYPES OF CLOUD STORAGE

1. Public cloud

Services are provided over a public network and available to anyone who wants to use them.

2. Private cloud

Private cloud environments are designed to meet specific security, compliance, or performance requirements.

3. Hybrid cloud

Combines public and private cloud environments, allowing for flexibility and data sharing between the two.

4. Community cloud

Community cloud is a deployment model where infrastructure and services are shared among a specific community or group of organizations.

MERITS AND DEMERITS OF CLOUD STORAGE

MERITS OF DATA STORAGE

1. Back-up and restore

Once the data is stored in the cloud, it is easier to get back-up and restore that data using the cloud.

2. Data security

Data security is one of the biggest advantages of cloud computing. cloud storage is provide the security for data .its means not access your data another person.

3. On- demand accessibility

Users can provision resources and services as needed, without requiring human interaction with service providers.

4. Improved collaboration

Improve Collaboration its allow no. of people to fast and easy to share the information in the cloud with shared storage devices.

5. Low-maintenance cost

Cloud storage is reduces the hardware and software maintenance costs for organizations.

6. 24*7 availability

Cloud allows us to quickly and easily access store information anywhere and anytime in the whole world, using an internet connection.

DEMERITS OF DATA STORAGE

1. Internet dependency

Cloud storage relies on a stable internet connection for data access

2. Vendor lock-in

Vendor lock-in occurs when a user is forced to continue using a product or service, because switching to another vendor is not practical.

3. **Security**

It is collection of security measures designed to product cloud – based infrastructure, application and data.

CHALLENGES OF CLOUD STORAGE

1. Security issues
2. Interoperability
3. Portability
4. Computing performance
5. Cost management

IMPROVE THE CHALLENGES OF CLOUD STORAGE

1. Network latency and Bandwidth
2. Elasticity and scalability
3. Resource allocation
4. Application optimization
5. Monitoring and performance tuning

FUTURE SCOPE OF CLOUD STORAGE

1. more application will be available on cloud.
2. increased growth in the market
3. More hybrid cloud adaption
4. Gobal business trend.

CONCLUSION OF CLOUD STORAGE

Cloud storage is the fastest growing part of network based storage. Cloud storage is provides benefits to customers of all size simple users developers, enterprises and all types of organization. Cloud storage is a simple and easy way to store data and files online. It is easy accessible, reliable and secure. Cloud storage allow to access your files anywhere and anytime.

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