

Modern Storage Security (Cloud computing)

INTRODUCTION: -

Cloud computing refers to the delivery of calculating services including servers, storehouse, databases, networking, software, analytics, and intelligence over the Internet (the cloud), rather than using original servers or particular systems. This allows clients to pierce and use these materials on- demand, without the need for outspoken investments in tackle and structure.

There are 3 main types of cloud computing services.

Infrastructure as a Service (IaaS): - This is the utmost introductory form of cloud computing, and includes the delivery of raw computing coffers (e.g., waiters, storehouse) over the Internet.

Platform as a Service (PaaS): - This type of cloud computing provides a platform for clients to develop, run, and manage operations, without the need to worry about the underpinning structure.

Software as a Service (SaaS): - This is the most comprehensive form of cloud computing, and involves the delivery of completely developed software operations over the Internet.

Cloud computing offers several benefits, including Cost savings by using cloud computing, clients can avoid the outspoken costs of buying and maintaining tackle and structure.

Scalability Cloud computing materials can be fluently measured up or down to meet changing demand.

Trust ability cloud calculating providers generally offer high situations of trust ability, with multiple spare systems in place to ensure that services are always available.

Security Cloud calculating providers frequently have strong security measures in place to cover data.

Innovation Cloud calculating enables clients to pierce the rearmost technologies and services without the need to constantly upgrade their own structure.

1st Review

Cloud computing provides a participated pool of computing materials that can be quick and elastically provisioned and released grounded on users demand to serve a wide and constantly expanding range of information processing needs. The cloud service provider (CSP) should ensure integrity, vacuity, sequestration and confidentiality but CSP isn't furnishing dependable data services to client and to stored client data.

- Cloud Storage Issues: -
 - Data Privacy and Integrity
 - Improper media refinement
 - Data Backup

This study identifies the issues related to the cloud data storehouse similar as data breaches, data theft, and attainability of pall data. Eventually, we're furnishing possible results to separate issues in cloud.

In this paper, we discussed about possible solution for the data storage issues and provide privacy with confidentiality in cloud environment.

2nd Review

Cloud computing is popular and demanding technology among the tech world. Cloud computing is a technology that works within internet. Most of the users are using cloud computing technology it provides us the storage in which we can store our data. Cloud provides specific amount of storage to each individual client.

From the perspective of the data security, our data stored in cloud should be secure. Data stored in cloud is not completely secured. Malicious code can affect your data. Some of the popular cloud storage such as Google docs provide virus scanning technology although there is some amount of possibility that can affect your data.

Unauthorized person cannot access your data. Because of token correctness data is separated among that specific token. When user wants to change the data, it can be change easily.

This paper explains the problem in data security of cloud computing. And also provide a way to insure correctness.

3rd Review

In technical terms, cloud computing can be called off as a way to abstract computing materials from various physical locations and make them visible to users over a network, such as Internet. These resources are typically delivered as a service, and users pay only for the resources they consume.

- Types of cloud: -
 - Public
 - Private
 - Isolated
 - Mixture

- Drawbacks of cloud computing: -
 - Internet Connectivity
 - Vendor lock-in
 - Imperfect controller
 - Security

In this paper we discussed about different types of clouds and their drawbacks according to client perspective.

4th Review

In this research paper we discussed about various types of services which is provided by cloud computing. It provides different types of IT resources such as application, infrastructure, and platform which requires internet connection. Nowadays, cloud computing is most popular and excellent solution for quick implementation techniques.

- Characteristics of cloud computing: -
 - On demand self service
 - Broad network access
 - Resource pooling
 - Rapid elasticity
 - Measured Service

Cloud computing has the potential of offering high benefits for the companies regarding to IT processes. Everyday, millions of people use cloud services such Apple iCloud, Google Docs, Gmail, Dropbox, etc.

5th Review

Cloud computing is defined as the service rather than a product according to Wikipedia.

- Cloud computing Contemporary uses: -
 - Many E-mails services
 - Web based document management
 - Web-storage
 - Editing and collaboration tools
 - E-commerce, E-government, E-business
 - Websites
 - Internet
 - Web Engineering

- Cloud computing opportunities: -
 - Money saving
 - Doing several works with the help of cloud is possible so it requires less manpower.
 - It enables maximum capacity of any kind of business.

With absolutely no doubt we can create healthy cloud-based knowledge economy and healthy practice through information science.

Conclusion

In conclusion, cloud computing is recently new technological development that has the potential to have a great impact on the world. It has many benefits that it provides to its users and businesses. For example, some of the benefits that it provides to businesses, is that it reduces operating cost by spending less on maintenance and software upgrades and focus more on the businesses itself. But there are other challenges the cloud computing must overcome. People are very sceptical about whether their data is secure and private.

There are no standards or regulations worldwide provided data through cloud computing. Europe has data protection laws but the US, being one of the most technological advance nation, does not have any data protection laws. Users also worry about who can disclose their data and have ownership of their data. But once, there are standards and regulation worldwide, cloud computing will revolutionize the future.

Future Scope

Cloud computing is that part of a business model that is taking the world by storm. Its ability to allow organizations to maintain flexibility, scale, and focus their efforts on business operations makes it very important for any business.

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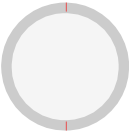

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