

Secure Cloud Computing

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ABSTRACT- It is nothing but way to deliver computing source in Cloud Computing. It ranges from data storage and processing to software i.e., customer relationship management systems, which is available instantly and in demand.

Manipulation, configuration and accessing is referred by Cloud Computing h/w & s/w source monitor. Online data storage, infrastructure and application is offered by it. In this research paper the researcher has discussed about the introduction part of the cloud computing, types of cloud computing. A research has also focus on Benefits limitation and future working of the cloud computing. In overall conceptual are discussion of cloud computing with the research has also focuses in future development.

1. INTRODUCTION

A social media is the depending with the cloud computing. cloud computing 'simple line meaning is transport of the computing with the service.

Types of Cloud Computing are as follows:

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Cloud computing can interacts with networks it's rules and regulations which is joined to its role. So, to start with the, we have already listen the asset of knowing to code for cloud computing.

1.1. What are Cloud Computing Security?

Collection of security measures are designed to secure cloud-based infrastructure, data and application. The other name of Cloud Computing security is collection of security measures. The above ways assure user and device verification. In today's era there is high demand to work in Cloud Computing field.

1.1. Use of Cloud Computing:

CC allows to the access file, resources, data, files whenever we are not connected to network the cloud computing is allows to access to their network with the help of internet.

1.2. Types of cloud Computing:

Commonly using the cloud computing use cases:

- IaaS
- PaaS
- SaaS

1] IaaS: IaaS is nothing but the h/w as a service. the access are in many clients and source internet used with online paying System. IaaS is using three types of the cloud first is the public second is private and third one is hybrid cloud. The cloud computing is used for helps to changing clients in the requirements and services.

2] PaaS: it is the purchase online mode for available in this platform. This platform as a service in cloud service provider. this is the developing the developer platform application. there are many languages is available in this like a java, php, perl and so on.

3] SaaS: this application stands for software as a service. This application is also known as the requirement for software. and also, customer with relationship is the management system making a electronic devices.

2. 7 CASES IN CLOUD COMPUTING:

1. Infrastructure as a Service (IaaS)
2. Platform as a Service (PaaS)
3. Software as a Service (SaaS)
4. Hybrid cloud and multi cloud
5. Test and development
6. Reach Robotics
7. Big data analytics.

3. APPLICATION IN CLOUD COMPUTING AND DIIFERENT SECTORS:

i] Online data Storage:

The cloud computing is nothing but the accessing the various source file huge amount of data and files from with help of online data storage system.

Children love interacting with internet handling with them, and people are seeing excellent results in happiness and communication skills for children and students learning difficulties with the help of is videos and audios from devices.

ii] Backup and recovery:

The cloud computing is example of the data backup and restorage recover data in system with help of cloud computing.

For e.g.: WhatsApp, Instagram and so on likewise

iii] big data analysis: -

Most important part of application in cloud computing in network the huge amount of data or big data can be impossible to save or store in the system with help of cloud computing we can easily save our data in cloud computing.

iv] Testing and Development: -

The cloud computing is provided for easy and time consuming for the resources and also this is used in businesses and flexible services of business.

v] Antivirus Application: -

antivirus application is nothing but the monitoring to system virus and antivirus system such like as the malware, detects the security threats in the networking.

vi] E-commerce Application: -

e-commerce is the new technology to response quick opportunities to connecting with the e-commerce system.

vii] Cloud computing in Education:-

the cloud computing is the best way to learning virtually source for the student. There are many sources to learn educational things from various cloud computing platforms

Example: Children making android application to learn from the virtual applications like as zoom meeting, Vedantu app etc.

4. ADVANTAGES OF CLOUD COMPUTING

- Backup and restore data
- improve collaboration.
- Excellent Accessibility.
- Low maintenance cost
- Mobility
- Iservices in the paper use module
- Unlimited storage capacity.
- Data security

5. DISADVANTAGES OF SOCIAL CLOUD COMPUTING:

- internet connectivity.
- vendor lock-in
- limited control.
- security.

6. IMPORTANCE AND NEEDS OF CLOUD COMPUTING: -

- Cloud computing are enables with users to access system using a web browser regardless of location or what device they used for example: computer android mobiles are access via network. User can connect to the network from anywhere and any place.

Cloud computing is a based service that can be meet in demand instantly.

7. IMPACTS OF CLOUD COMPUTING IN EVERYDAY LIFE:

i]Positive Impacts:

- the cloud computing is the changing our lives in many ways from social media shopping, streaming services and storing the files
- Positive impact in everyday life such as banking, email, media etc.
- It is committed for the described with directly to the technology.
- Cloud services also being with use of support is nothing but the impact.

ii] Negative Impacts:

- i] Humans are depend on the fully socially in cloud computing and that case many loss faces in life.
- ii] Safe data is unsecure in the cloud computing platform. For example: Instagram, WhatsApp
- iii] Cloud like is the any other IT setup there are many problems and experience of technical with the problems faces. that can directly impact on damaging business e.g., reboots, network, downtime.

8. FUTURE CHALLENGES:

CC is mainly used and has become for popular latest in market. The cloud computing is nothing but the circulate on premises in computing to the internet.

i]security: there are the best concern in involving cloud computing service with the security.

ii]password security: many peoples access your account by vulnerable method, more important about your password security.

iii] cost management: cloud computing access in application to save or manage in your post and makes affordable.

iv] lack of expertise: lack of increasing the workload for the cloud technology increasing continuously improving their tools in technologies.

v] internet connectivity: the internet connectivity is part of cloud computing. the cloud services are depend on the internet connectivity, there are many network issues.

9. CONCLUSION:

Security is a big problem in CC. This needs to be overcome before services can be widely adopted. Some aspects of security are rarely in the field of technology, with external solutions, such as laws, regulations in human resource management and the like, it is important to find technological solutions to problems. It offers effective isolation between different clients while allowing resource sharing. Users can specify and manage their personal security and QoS policy settings just as they would traditional on-site management

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