Article

Cloud Computing - A Evaluation

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A B S T R A C T

Today, the era of Cloud Computing Technology in IT sector. Cloud computing based on internet services. "Cloud" is a term for a large scale number of possibilities and progress in many area. In present scenario up to thousands of servers is based on Cloud Computing. Cloud computing is of parallel, gridand Distributed computing. It is having virtualization technologies which define the new demand of a particular area. Cloud computing provides services to its user. Data storage, one of the primary services provided by cloud computing skills. In this paper, we will discuss the many techniques that are use for different-different services.

Keywords: Cloud Computing, Technologies, Services, Data Storage

Introduction

Cloud computing Technique is the combination of many existing technologies that have cured at different rates and in different contexts. The goal of Cloud Computing is to allow client to take benefit from all these technique. Many formulation are moving into cloud because it allows the client to store their data on clouds and can access the data at anytime from anywhere.

Cloud storage is use of Cloud Computing Technique. We can define cloud storage as storage of the data in the cloud. A cloud storage system is considered as a distributed data centre. Use cloud-computing technologies and offers some kind of alliance for storing and accessing the data. There are many way of storing the data:

- Personal
- Public
- Private
- Hybrid

There are five features of cloud computing. The chief one is on self-service, where a customer of facilities is on condition that the desirable properties deprived of human interference and transaction with cloud provider. The second is broad network admittance, which resources properties can be
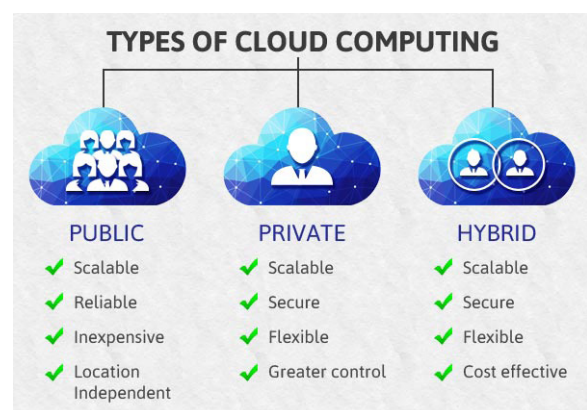

Figure 1

retrieved from wherever complete a normal method by user platforms such mobile, sell, laptop, and desktop computer. Resource pooling is another distinctive, which means the resources are pooled in order for multi-tenants to share the services. In the multi-user model, services are allotted energetically to the client and after the client finishes it, it can be assigned to another client one to response to high services demand. Even if the resources are assigned to client on demand, they do not know the location of these assigned services.

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Sometimes, client know the location at a high-level abstraction, such as country, state, and data centre. Swiftly flexibility is another characteristic, which means that services are increased when used and decreased when there is no used. Also, one of characteristics that a consumer wants is measured service resources in order to know how much is used.
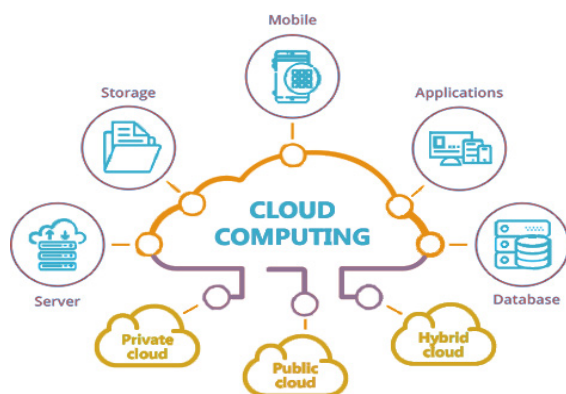

Figure 2.

Modern Day [DC] stand for data center host thousands of servers networked and hundreds of switches and routers that communicate with each other to sharing tasks in order to deliver highly obtainable cloud computing technique.

When Cloud comes to competition, each organization wants to be better than the other. Its goal is to increase their profits with minimum result. Many organization turn to cloud computing, but the use of cloud computing is not just spreading between different organization; it is also about who provides the best service to its client and storage services is also providing.

Cloud computing providers are IBM Amazon, Google, Yahoo, eBay and Microsoft etc. Each one of these providers provides various functions within their cloud computing techniques. For instance, Google and IBM have already built dissimilar data centers that any one can tap into over the Internet to program and research. Most of these companies have develop technique that can be use cloud computing to run the market, pricing strategy. Moreover, these companies have come up with different Internet client services like social networking, email and Internet etc. that use cloud computing technologies.

Cloud Computing technologies is better than other computing, meaning it offers better technique and features than other computing. This can be seen in that some cloud computing know-hows interfaces do not require client to change their working way and surroundings, which is just one feature that makes

Cloud Computing dissimilar than others, such as grid computing, distributed computing. In grid computing, client have to learn all the Commands to accessing the services.

It is essential in cloud computing to use virtualization, but it is only necessary in the stating in grid computing. A major change between these two types of computing is the application development services. Cloud computing differs from grid computing slightly, where development applications are actually in the cloud, while in the grid these applications are only local.

The use of cloud computing is simpler whereas grid computing is more complex. Cloud computing has different types of developments services.

Three important models will be explained to give a better understanding about what cloud computing is.

The Use of Cloud Computing to improve organization value. The concept of Cloud Computing Technologies in business may sound ideal and easy to apply, but like all new technologies being introduced into a business that already has a system and method in place it has both aspects.

As mentioned before, Cloud Computing has both compensations and drawbacks, though it is vital to scrutinize if these welfares and disadvantages are helpful to businesses when deciding whether or not to implement cloud computing. Although, Cloud Computing has been supported as a method to advance business, not all organization are the same. So, is Cloud Computing technologies for all institute or is it more useful for a certain type of occupational with particular infrastructure already in place. One technique provider that has been paving the method for business. Cloud Computing services will be used to give a better idea of the uses of Cloud Computing, as well as how it can improve business.

Computing resource allocations in Clouds are based not only on functional necessities but also on different non-functional requirements.

Cloud Computing allows the client to store their data on the manage location maintained by other party. Once the data is stored into the cloud the user loses its control over the information and the data can be affected by the attackers. The attacker may be an internal or external. Unofficial access is also a common practice due to loose access control. The protection of information arises the following challenges:

The security and privacy issues related to data storage privacy, availability, integrity, flexibility.

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