Cloud Computing Application in Mobile Cloud Computing

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Abstract— Cloud computing is an information technology model that enables appearing access to share a little area of configurable system resources and high-level services that can be very quickly equipment with minimum amount of management effort, often over the Internet. If you use an online service to send email, edit documents, watch movies, music, play games or store pictures, it is like that cloud computing can make all possible behind the sequence. The first cloud computing services are almost ten years old, but already a different of organizations from very small start-ups to global corporations, government agencies where they accept the technology for all sorts of reasons.

Key words: Create New Apps & Services, Store, Back up & Recover Data, Host Websites & Blogs & Stream Audio & Video

I. INTRODUCTION

The central part of cloud computing is centralizing, services, and specific applications as a useful to be sold like water, gas or electricity to users. The combination of a mobile network and cloud computing creates a new computing mode, namely Mobile Cloud Computing. On the other hand, mobile device approach both data storage and data processing that performed through the mobile device. The main reason is that all mobile devices like (smart phones, tablets, etc.), are more highly level and highly efficient. Mobile cloud computing (MCC) has been introduced to be a developed technology for mobile services. MCC is used to combine one thing to another to form the whole into the mobile environment and overcomes goal related to the performance (e.g., battery life), environment (e.g., heterogeneity), and security (e.g., reliability and privacy) which talked in mobile computing. The term "mobile cloud computing" was introduced after the concept of "cloud computing" which is launched in mid-2007.

II. ARCHITECTURE DIAGRAM

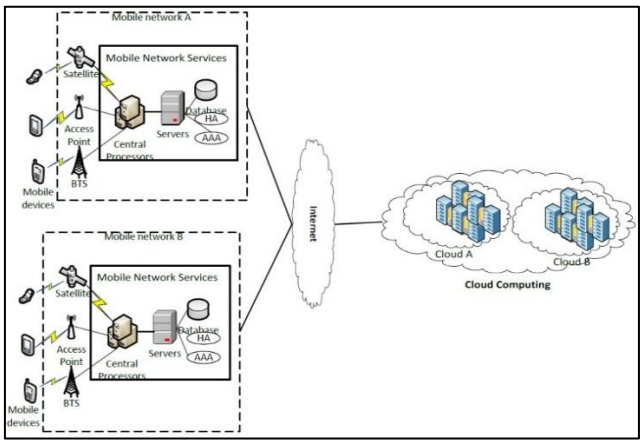

Fig. 1:

III. MOBILE CLOUD COMPUTING

When mobile cloud computing make a great contribution to our daily lives, it will also, bring challenges and problems. The core of such challenges and problems is just how to link two technologies continually. On the other hand, to ensure that mobile devices accept the use of advantages of cloud computing to improve and extend their functions. It is also used to overcome the disadvantages of limited resources and computing ability in mobile devices in order to access the cloud computing with high efficiency like traditional PCs and Servers.

IV. MOBILE CLOUD COMPUTING WITH APPLICATION SPECIFIC (MCCAS)

It is a specific application being improved and developed for mobile devices which help the employ in cloud computing. By using application mobile computing, we can check our email messages, bills, bank accounts, and other private information only by using our mobile devices. It is used to make the legal exchange data to make it safely and strong from any attack. Mobile computing services can make all live in different sectors especially in education and business world to make it easily understand. Attaching to a new device that includes a lot of quality became every day based on mobile computing, as examples, BlackBerry from RIM I Phone from Apple, Net-Book, etc.

A. Service of Mobile Clouds

A number of researchers have introduced service clouds for mobile cloud computing and named Mobile service clouds. A lot of their model enables dynamic visible, installation, arrangement and rearrangement of services to be used by the mobile users.

B. Flexible Application Web Lets

A numbers of researchers created bending applications that increase and enhance powerful smart phones, utilizing outbreak computing resources from the cloud. A modify application can have one or more web lets in it, while wallets have the most important feature of portability. Any given wallet can contribute in switched between both mobile and stationary devices.

C. Software or Application as a Service (SaaS)

It is a model of software development where the creator licenses an application to the customers for use as a service on demand. The capability provided to the End users is to use the creator's applications running on a cloud infrastructure. The applications are entered from various client devices through a thin client interface like a web browser (e.g., web enabled e-mail).

D. Platform as a Service (PaaS)

It is the computing platform and solution stack as a service. The capability of providing to the end users is to move on to the cloud infrastructure. User created the applications using the programming languages and tools supported by the creator. The final user cannot manage the lower cloud infrastructure including network, servers, operating systems, or storage. It provides offer Predefine combination of OS and application server.

E. Infrastructure as a Service (IaaS)

It is the computer infrastructure (typically a platform virtualization environment) as a service. The ability of providing to the end users is to provision processing, storage, networks, and other fundamental computing resources where the end user is able to move and run software, which can include operating systems and applications.

V. CONCLUSION

Mobile computing (MC) and cloud computing (CC), has transmitted the high quality and measurability, and become a hot analysis topic in recent years. we have a tendency to conclude that there are 3 main improvement approaches in MCC, that are that specialize in the constraints of mobile devices, quality of communication, and division of applications services. Mobile cloud computing are the foremost rising branches of cloud computing and it's invaded our life altogether sectors. The most aim is to use cloud computing techniques for implementing potency applications and storage with the process of information on mobile devices. Mobile cloud computing can equip several edges to the mobile device users and applications enterprises. This paper investigates the ideas of Mobile Cloud Computing (MCC), difficult security problems and breaches, various subsisting security frameworks and once and for all some solutions that increase the protection within the Mobile Cloud atmosphere. Most of the frameworks unmarked the protection of utilize information privacy, information storage and energy protective information sharing. Information privacy and mobile application that utilizes cloud are the foremost difficult issue.

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