CLOUD COMPUTING SECURITY AND USING RSA & AES ALGORITHM

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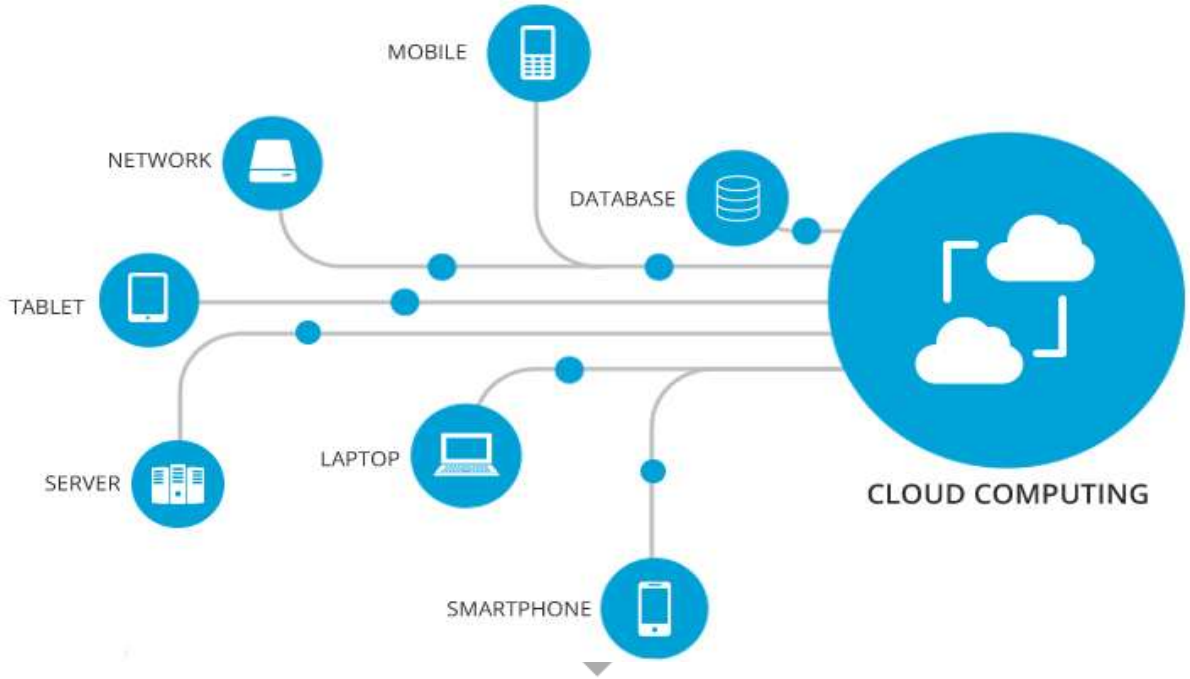
***Abstract*: As an upcoming technique, in recently years the cloud computing have rapid increases. However, the problem of security has caused more great influences to the increase and famous of cloud computing, the urgency and importance have not to be neglected. This paper introduces cloud computing and security problem of cloud computing, and get the solve these security problem with the good Firewall, and cloud computing give out that only to solve the security problem. The application will be more and more widely.**

***Keywords*: Cloud computing security, Firewall, Data security.**

I. Introduction

Cloud computing is advance technology based on Distributed processing, simultaneously computing, and is top of the hottest topics in the branch of Information Technology. In Education Circles, company circle and governments field has also paid close attention towards it.



Cloud computing is in the demand availability of resources in computer system, data storage and power of computing; with indirect active manage by the user. The data centres describe the term is generally used to many users over the Internet.

Big Clouds, todays predominant, have distributed over location from middle servers. If the connection to the user it may be designated an edge Server.

Cloud can be limited to a one organization, or be available to more organization.

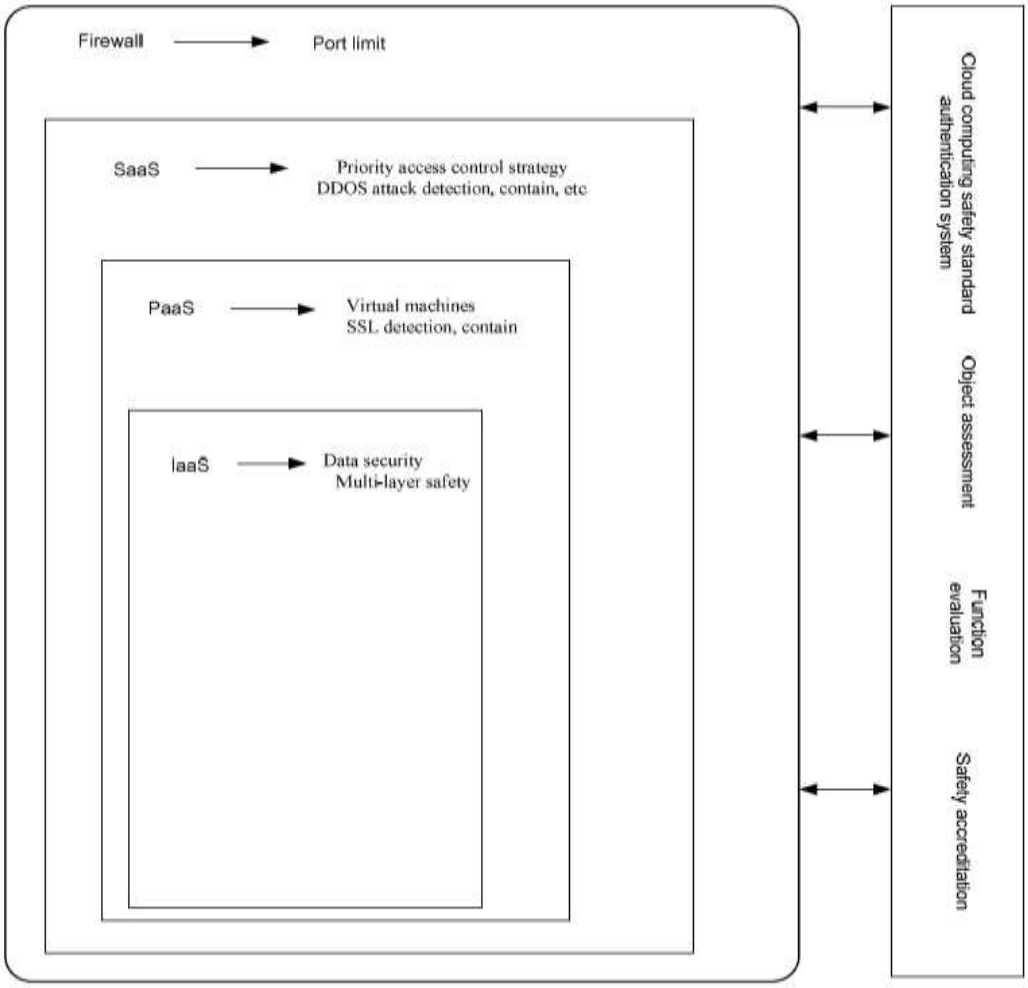


Fig. 2. Cloud computing security framework

Server Models

Cloud computing have three main types:

1. SAAS(Software as a server)
2. PAAS(Platform as a server)
3. IAAS(Infrastructure as a service)

1. SaaS(Software as a server)

SaaS gives the typically manages a give application in their own information centre and makes it for multiple user over the websites. Sometimes SaaS provides run on another cloud PaaS or IaaS gives offering. Oracles CRM on demand.

The provide capability to the dealer is used the given application is running infrastructure. The application are accessible from all client devices to all interface, as a WEB BROWSER or program interface. The client doesn't manage or control the underlying cloud network, server, OS, storage, or even company application capabilities, with the limited user configuration settings.

2. PaaS(Platform as a server)

PaaS offer a development environment to app developer. The toolkit and development is standards and for distribution and payment. In the PaaS models, cloud computing provides the deliver a cloud computing platform, typically including OS, and the languages of programming run in such environment, data storage , and online server. App developers create and run their software on a Cloud Computing platform not indirectly buying and manage the hardware and software.

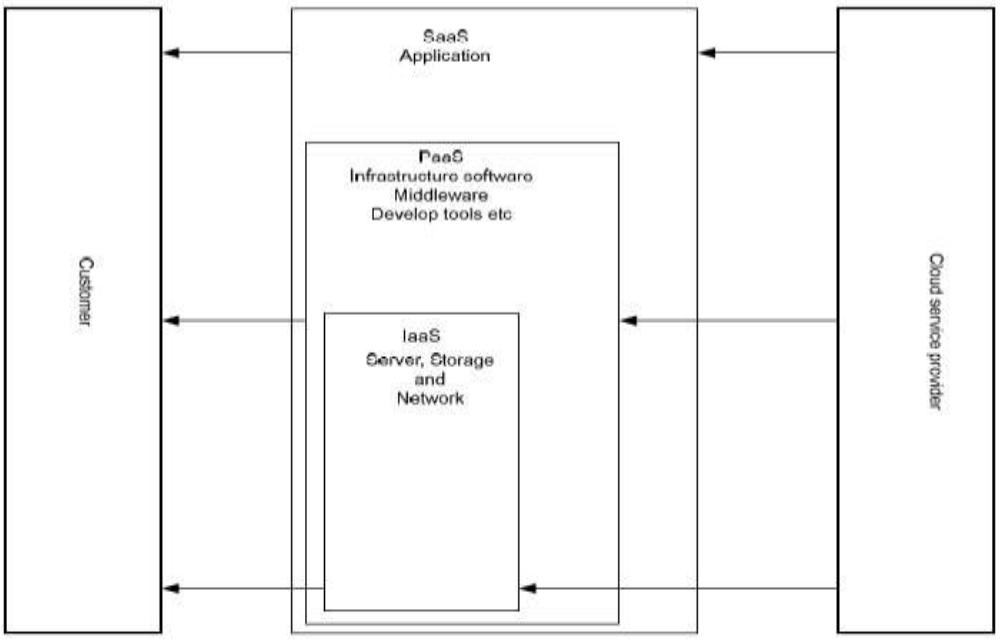


Fig. 1. The three main aspects of cloud computing

IaaS (Infrastructure as a Service)

"Infrastructure as a Service" IaaS refer to online server that gives the not provides the low- level APIs used to reference various not high-level information of underlying N/W like computing sources, location, data separation, security, backup, etc.

A hypervisor run virtual machines as guests. Hypervisors of pools within cloud OS can give support the large number of Virtual Machine.

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