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Off lately, Cloud computing is definitely achieving great heights and is the latest buzz in the IT world. It has revolutionized the technology when it comes to provision of service, because Cloud computing is the delivery of computing as a service rather than a product, whereby shared resources, software, and information are provided to computers and other devices as a metered service over a network.

Cloud computing is definitely the need of the hour in this information age as it enables computation, data access, software and storage services that do not require end-user knowledge of the physical location and configuration of the system that delivers the services. Cloud Computing has also enabled the business organizations to cut down on their expenditures and in turn helps in proliferation of revenue.

Cloud computing has enabled the organizations to achieve the set targets in an efficient manner. There are different deployment models of cloud computing. These are: Public cloud, Community cloud, Hybrid cloud and Private cloud. But the technology does not come alone, it brings along with it the concerns for security.

It can be easily said that the popularity that cloud computing is achieving is directly proportional to the concerns that are being voiced about the security issues introduced through adoption of this new model. Security in cloud computing model is imperative.

The relative security of cloud computing services is for sure a contentious issue that may be delaying its adoption. Issues barring the adoption of cloud computing are due in large part to the private and public sectors' unease surrounding the external management of security-based services.

It is the very nature of cloud computing-based services, private or public, that promote external management of provided services. This delivers great incentive to cloud computing service providers to prioritize building and maintaining strong management of secure services. Security issues have been categorized into sensitive data access, data segregation, privacy, bug exploitation, recovery, accountability, malicious insiders, management console security, account control, and multi-tenancy issues.

Solutions to various cloud security issues vary, from cryptography, particularly public key infrastructure (PKI), to use of multiple cloud providers, standardization of APIs, and improving virtual machine support and legal support.

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