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## Comparative Study On Trustee Of Third Party Auditor To Provide Integrity And Security In Cloud Computing

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### Abstract

One of the storage device in the market are cloud services, there can be some security issues and conflicts between the client and service provider to resolve the third party auditor issues. This comparative analysis ensure reliable data storage providing computing resources in the form of service rather than a product and utilities are provided to users over world wide web. Cloud is a platform where data remotely stores in the server and also protects the data against threats; cloud environment is a domain which comes under the property of users for further development from research scholars. The information technology huge number of clients which is accessing the data and updating the data application and services move to centralized huge data centre and services management trust into cloud environment the computing resources are under control of service provider and the third party auditor ensures the data integrity over the sourced data. Compare Information Technology audit is a manual work our Cloud Third party auditor mechanism in cloud standard audit not only stores or reads the data also updates the data through query.

Keywords – Cloud Storage Provider, Third Party Audit, Information Technology Audit.

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### Introduction I

Appropriate security protection when using cloud services could ultimately result in higher costs and potential loss of business, thus eliminating any of the potential benefits of cloud computing. Enterprise information technology (IT) and business decision makers analyze the security

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implications of cloud computing on their business. When considering a move to cloud computing, customers must have a clear understanding of potential security benefits and risks associated with cloud computing, and set realistic expectations with their cloud provider

Different service categories: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) as each model brings different security requirements and responsibilities, cloud security and also identifies areas where future standardization could be effective. Cloud Security Landscape provides an overview of the security and privacy challenges pertinent to cloud computing and points out considerations that organizations should weigh when migrating data, applications, and infrastructure to a cloud computing environment. Cloud Security Guidance is the heart of the guide and includes the steps that can be used as a basis for evaluation of cloud provider security. It discusses the threats, technology risks, and safeguards for cloud computing environments, and provides the insight needed to make informed IT decisions on their treatment. Although guidance is provided, each organization must perform its own analysis of its needs, and assess, select, engage, and oversee the cloud services that can best fulfill those needs. Cloud Security Assessment provides customers with an efficient method of assessing the security capabilities of cloud providers and assessing their individual risk. A customer to conduct their own assessment across each of the critical security domains is provided, the Practical Guide to Cloud Service Agreements [1], provides additional guidance on evaluating security criteria from prospective cloud providers. The security standards and certifications those are currently available in the market as well as the cloud specific security standards that are currently being developed.

The management by operational support systems of cloud directs to the capability to scale for supporting a huge number of virtual machines image library as well as storages load balancers firewalls virtual local area networks IP addresses and bundles of software as a service cloud providers are supplier of these resources depending on demands from their huge pools that are installed in the carrier clouds which is dedicated private virtual networks that can easily be configured. For deploying the applications the users of cloud that have to install on the devices the operating systems images along with their application pieces of software in the basic model of infrastructure as a service as shown in the fig 1.



*Figure 1 Cloud service Providers*

Storage as a service is the service comes under the infrastructure as a service manages all the services of storage in the cloud computing, in fact several security issues that need to be taken into account data integrity confidentiality reliability etc. platform as a service the client creates software by using the tools and libraries that are provided by the providers client controls the software deployment as well as the configuration settings. Software as a service has indeed become one of the common models of delivery for a number of business applications together with accounting collaboration management information systems and modifies the sets of configuration preferences so as to have an effect on its functionality. The applications of cloud are accessed by end users browser of web or desktop of light weight mobile application while the user's data and business software are stored onto the servers at some remote area.

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