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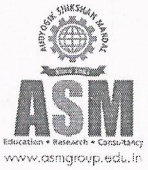

IMPACT AND IMPLEMENTATION CHALLENGES OF CLOUD COMPUTING IN CURRENT EDUCATIONAL SCENARIO

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Abstract

In this paper, researchers describe the problems and their impact and implementation challenges of cloud computing in the context of educational scenario. Researcher also examine experiences learnt in building of a cloud computing platform, cloud computing is a internet-based technology through which information is stored in cloud (wide virtual network) and provided as a service on-demand to the clients. In this research study researcher describe the reasons of that why education needs to be switch from traditional IT infrastructure to the cloud infrastructure and also discuss the characteristics and types of cloud computing. The paper defines clouds, explains the business benefits of cloud computing, and outlines cloud architecture and its major components. In particular, we argue that with continued research advances in trusted computing and computation-supporting encryption, life in the cloud can be advantageous from a business intelligence standpoint over the isolated alternative that is more common today in the context of education sector.

Keywords: *Cloud Computing, Education, On-demand Services, Virtual Network.*

Introduction

If define Cloud computing in a simple word it can be "Internet Computing". The Internet is commonly visualized as clouds; hence the term cloud computing for computation done through the Internet. With Cloud Computing users can access database resources via the Internet from anywhere, anytime and anyplace for as long as they need, without worrying about any maintenance or management of actual resources. Besides, databases in cloud are very dynamic and scalable. The Cloud has become a new vehicle for delivering resources such as computing and storage to customers on demand. Rather than being a new technology in itself, the cloud is a new

SECURITY CHALLENGES AND THREATS IN CLOUD COMPUTING SYSTEMS

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Abstract

During past few years, the internet has been accelerated the use of computing devices like desktop computers, laptops, mobile Phones and tablets. These devices are generating huge amount of data for the various users on daily basis. Cloud computing provides computing, storage, services and applications over the Internet. It is one of today's most popular technologies due to its low cost computing with increased flexibility, scalability, mobility and enhanced storage. Data generated by users over internet are stored on some distant location with respect to the user. This is the reason why IT organizations have shown their interests over security of cloud computing implementation. The main objective of this paper is to provide the critical review of the different vulnerable security issues of the cloud computing systems.

Keywords: *Cloud Computing, Security Threats, Information Security, Challenges of Cloud Computing*

I. Introduction

Nowadays, IT organizations consider the cloud computing as the most popular internet based services. Cloud computing empowers users to communicate information, services or applications from remote location without having an expensive and complex hardware and/or software infrastructure. The fundamental aim of cloud computing is to provide access to the data or information, services and the application from anywhere at any time without the need for hardware equipment. Data and services need not to be stored to a storage device on one's device. It minimizes the overall cost of accessing the information and services. Using cloud computing, users can access data, generated by themselves and others, stored on remote servers using internet (e.g. Google Drive,