

SECURITY THREATS TO CLOUD COMPUTING

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ABSTRACT

Cloud Computing is a model for delivering information technology services in which resources are retrieved from The Internet through web based tools and applications, rather than direct connection to the server and resources are provided as long as connected to the web. Cloud Computing has become a viable business and technological proposition because of the significant reduction in both infrastructure and operational costs that it offers when compared to traditional IT services. As cloud computing is increasing its popularity, concerns are being raised about the security issues associated with the adoption of the new model.

Data Security is one of the most critical aspects in a cloud computing environment due to the sensitivity and importance of information stored in the cloud. Data resides in resources not in the purview of data owner or one which could be accessed by cloud administrators depending on implementation. This paper discuss about the various data security threats and challenges that are to be considered and counter measures to be taken by organization before moving their information into the cloud.

KEYWORDS: Security, Privacy, Compliance, Data Breach, Vulnerability, Policy