

SECURITY CHALLENGES IN PUBLIC CLOUD- A SURVEY

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ABSTRACT

Cloud computing is a new way of delivering computing services ranging from data storage and processing to software, such as email handling. These services are now available right away, commitment-free and on-demand. Cloud computing is a approach of computing over the internet. The word cloud is an allegory for Internet. It is a new way for the delivery of IT services on the internet. The main attractions in Cloud computing are its usability and cost-effectiveness. The common characteristics most shared are scalability of vastly available and reliable collective computing resources, secure access to metered services from nearly anywhere, and displacement of data from inside to outside the organization. While aspects of these characteristics have been realized to a certain extent, cloud computing remains a work in progress. This publication provides an overview of the infrastructure to a public cloud environment and security and privacy challenges related to public cloud computing and considerations that should be taken when outsourcing data, applications, and infrastructure to a public cloud environment are also pointed out

KEYWORDS: Cloud Computing, Public Cloud Computing Infrastructure, Establishing Requirements, Security and Privacy Challenges