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Data Security In Cloud Computing

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Abstract

This article is about data security in cloud information technology. It is a study of cloud data and related aspects for him in regards to safety. The document will enter the details of the data protection methods and approaches used around the world to ensure maximum data protection by minimizing risks and threats. Availability of data in the cloud benefits many applications, but it poses a risk by exposing data to an application that may already contain security holes. Similarly, using virtualization for cloud computing can put data at risk when guest OS is running on a hypervisor without knowing the reliability of the guest operating system may contain security holes. the will also provide an overview of data security aspects for Data in Transit and Data at Rest. Research-based on all levels of SaaS (Software as a Service), PaaS (Platform as a Service) and IaaS (Infrastructure as a Service).

Keyword: Data Security, Cloud Computing, Data Protection, Privacy, Risks and threats