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A Review of the Problem with Cloud Data Security and the Current Countermeasures in Cloud Computing

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Abstract: *One of the computer systems that is developing the fastest is cloud computing (CC). This is the necessary user administration without the need for specific and direct user administration for network resources, primarily information storage. A single platform is offered by CC, a grouping of public and private data centres that serve customers online. The use of the cloud for purposes other than just data storage and processing at cloud assets is required due to the increasing amount of private and sensitive information obtained by supervisory authorities. Sensitive data should not be sent to public clouds, however, due to security concerns brought up by recent data breaches. This document offers a thorough analysis of the study on issues with data encryption, data obfuscation, and data protection, as well as solutions for cloud data storage. Examined are the most recent methods and technologies for cloud data protection. This study also looks at a number of contemporary approaches to cloud security issues. The effectiveness of each strategy is then contrasted based on its traits, advantages, and drawbacks.*

Keywords*:* Cloud

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