Data Security of Mobile Cloud Computing on Cloud Server

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Abstract: *Mobile cloud computing refers to the technology that allows services, such as software, virtual hardware, and bandwidth, to be delivered over the Internet. This technology primarily benefits mobile devices, particularly smartphones. The popularity of mobile cloud computing is rapidly increasing among consumers, and major companies like Apple, Google, Facebook, and Amazon have a large user base in this field. With the help of cloud storage services, users can conveniently access their data anytime, anywhere, and from any device, including mobile devices. While this provides flexibility and scalability in data management, it also introduces new security risks that need to be addressed. However, these security concerns can be mitigated by implementing appropriate data handling practices. Cloud server providers can enhance data security by employing encryption and decryption techniques when storing data in the cloud. In this study, we propose various encryption and decryption methods to safeguard data in the cloud, ensuring that confidential information remains inaccessible to unauthorized individuals or machines due to its encrypted form.*

Keywords: Mobile cloud computing

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