Achieving Secure Access Control in Cloud by using Rijndael Encryption Algorithm

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Abstract— In recent years, with the rapid development occurring in cloud computing and services we used an cloud for large scale data storage. The most important issues is how to control and prevent unauthorized access to data in the cloud. Security is the main intention of our technique through which unauthorised intruder cannot access your file or data in cloud. For this we use an one well known technique is Rijndael Encryption Algorithm (REA) with the help of this algorithm we can stored encrypted data in public cloud and user also decrypt it. We present a hybrid secure cloud storage architecture that allows an organisation to store data securely in a public cloud and maintain information related to organisation in private cloud. In this architecture users who wish to share or access the data only interact with public cloud, there is no access for public users to access the private cloud.

Keywords — *architecture, data storage, cloud computing, Rijndael Encryption Algorithm (REA)*