231. AN EFFICIENT ATTRIBUTE BASED RE-ENCRYPTION SCHEME FOR STORING SECURE AND SCALABLE MOBILE APPLICATIONS IN CLOUD

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Cloud computing confers strong economic advantages, but many clients are reluctant to implicitly trust a third-party cloud provider. Cloud provider is also not directly entrusted with key material, but naive schemes often prove difficult to scale. The confidentiality of data stored in cloud platform must be protected from being read in the clear by cloud provider. This work focuses on the Improvement of existing traditional attribute-based encryption scheme to allow only authorized users to access the cloud data based on possession of right attributes and also a model based on the principle of dynamic data re-encryption is applied, to a cloud computing system in a unique way to provide more security to the user data stored. The idea is proposed tobe efficient for resource-constrained mobile users by delegating computation and requests to a cloud provider or trusted authority, without compromising security. Also, a backup of stored data is done by a separate server accompanied by an automated auditing service while retrieving to support exact delivery of data.

Keywords: Mobile Computing, Based Encryption, Cryptography, Scalability, Secure Communication

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