



# **Secure Token Based Storage System to Preserve the Sensitive Data Using Proxy Re-Encryption Technique**

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**Abstract—** In the cloud computing environment, storing sensitive data is more difficult task. The privacy preserve cost is high when we encrypt entire sensitive data. Also encrypt data are not performing well in cloud application. This is becomes the challenging to preserve the sensitive data in cloud. So we analyse the data which is need to be encrypted and other is not. And also split the data in different parts and stored it in different cloud environment. Each part of data sets are contains the tokens. The storage server identifies the data using token keys. The proxy encryption technique is used to encrypt the proxy. When the client encrypts the data before outsourcing to the cloud server, the link between the client server and cloud server proxy is encrypted using proxy encryption technique. This enables the privacy to preserve the data attacks from the attackers.

**Keywords—** Cloud Computing, Sensitive Data, Privacy Preserving, Proxy Encryption, Token based system.

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