**ABSTRACT**

In SECURE CLIENT SIDE DE-DUPLICATION SYTEM to provide secure cloud environment in public cloud. We achieve these security challenges, we implement, on Open Stack Swift, a new client-side de-duplication scheme for securely storing and sharing outsourced data via the public cloud. The originality of our proposal is twofold. First, it ensures better confidentiality towards unauthorized users. That is, every client computes per data key to encrypt the data that he intends to store in the cloud. As such, the data access is managed by the data owner. Second, by integrating access rights in metadata file, an authorized user can decipher an encrypted file only with his private key.