Abstract

Disruption-tolerant network (DTN) technologies are getting flourishing solutions that allow remote device sent by officers to talk with each other and access the confidential information or secret information by exploiting outside storage nodes. This technique provides economical state of affairs for authorization policies and also the policies update for secure information retrieval in most difficult cases. The foremost promising science resolution is introduced to regulate the access problems referred to as Cipher text Policy Attribute based mostly coding (CP-ABE). A number of the foremost difficult problems during this state of affairs square measure the social control of authorization policies and also the policies update for secure information retrieval. However, the matter of applying CP-ABE in decentralized DTNs introduces many security and privacy challenges with relevance the attribute revocation, key escrow, and coordination of attributes issued from totally different authorities. During this paper, we tend to propose a secure information retrieval theme exploitation CP-ABE for decentralized DTNs wherever multiple key authorities manage their attributes severally. We demonstrate the way to apply the planned mechanism to soundly and proficiently contend with the classified data
spread within the Interruption or disruption tolerant network.

References


15. 

Index Terms

Computer Science

Networks

Keywords

Access control, attribute-based encryption (ABE), disruption-tolerant network (DTN), multi-authority, secure data retrieval.