Abstract

More than one data provider collaborate to publish their data is considered here. m-privacy is a technique proposed to defend m-adversary during collaborative data publishing. M-privacy satisfies the privacy problem while publishing sensitive data. Apart from providing privacy to published data, it is also necessary to provide security between the data provider and third party/un-trusted server, to ensure this, Secure multiparty communication (SMC) protocol is used to provide secure data transfer from publisher and server. There were techniques such as k-anonymity, l-diversity, t-closeness, which were proposed to handle external attacks in data publishing, but none is published for considering internal attacks. This m-privacy is a technique, which considers internal attacks.

AIM: The goal is to publish an anonymized view of the integrated data such that a data recipient including the data providers will not be able to compromise the privacy of the individual records provided by other parties.
References


Index Terms

Computer Science

Information Sciences

Keywords

Annoymization, Adversary, TTP, SMC.