SECURE E-COMMERCE TRANSACTIONS

**R. LALITHA, VENKATA RAMANA RAJU
AND R. SADHANANDAVEL**

Abstract

All e-commerce environments require support for security properties such as authentication, authorization, data confidentiality, and non repudiation. Security is required to prevent theft, and to ensure revenue generation from authorized recipients. The secure e-commerce transactions for multicast Services (SETMS) architectural framework is proposed, to provide security in e-commerce sessions for multicast environments. The SETMS framework provides authentication of host through the HIP protocol, authorization of subscriber and his/her e-payments through a variant of the 2KP protocol. It supports non repudiation of principal parties through PKI.