A Survey of Security Threats and Authentication Schemes in WiMAX

Abstract

WiMAX networks have advantages over the wired network, such as convenience, mobility, and flexibility. The security concerns in this network may prevent its further widespread adoption. Hence, improving the security of WiMAX is of considerable importance. In WiMAX networks by providing security features like authentication, authorization and encryption. The absence of proper authentication mechanism can lead to many threats like denial of service, masquerading and attacks on the authentication protocol. Authentication is the most difficult from the perspective of network security; hence, various forms and threats related to authentication are needed to be studied. The aim of this paper is to study the various authentication schemes such as RSA, EAP and HMAC.

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Index Terms

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