

Abstract Details

Title: Security Issues of WiMax

Authors: Mazin Mohammed Hamza Altaieb and Dr Hala Eldaw Idris

Abstract: Security has become a principal concern to supply protected communication in Wireless environment. We know the basic idea of communication is directed the knowledge from source client to destination node but in my view the communication is not delivered the information but the amount of secure information which is sent from source node to destination node. The much awaited technology for wireless high speed access, the WiMAX (Wireless Interoperability for Microwave Access) is finally starting to be available in the market with the target to provide high data rates and provide interoperability of vendor devices simultaneously. In this report we give a review on the several performance evaluations which may have recently been conducted on WiMAX systems and show the existing functions and future trends in the WiMAX technology. Intended for a broadband wireless standard such as WiMax, security is important and must be addressed. This is to ensure wide acknowledgement both from the point of view of the finish users and the companies. In order to compete with existing broadband cable or DSL services, the WiMax network must offer comparable security. We discuss the WiMax security mechanisms for authentication, encryption, and availability. All of us also discuss potential threats to WiMax security. This paper will also discuss how and why these threats play an important role in the elasticity of WiMax.

Keywords: WiMax, WiMax Security, Encryption, Security, Potential Threats.