Abstract

Ad hoc Networks allows for communicating users in communication without relying on an infrastructure. The model of communication depends on the topology of the network. The users rely on the security protocols and security algorithms that are part of the network standard. The information being exchanged could be text, image, video based on the user's requirement. There is a need for algorithms to be robust to avoid information loss. The data to be transmitted has to be protected from the intruders as it could result in reduction of credibility. The paper performs a exhaustive study of different security algorithms in ad hoc network. It concentrates on understanding the difficulties in handling the information, i.e., image
across users. The paper presents a complete survey of the different security algorithms available for handling images. The information to be transmitted along with the images also needs to be analyzed for its complexity, size, and vulnerability. The paper presents research directions for transmitting images in ad hoc networks in an efficient manner considering the different performance parameters that need to be managed.

References


Index Terms

Computer Science

Networks

Keywords

Ad Hoc Network Security Algorithm Key Size Graph Complexity