Detection Mechanism for Distributed Denial of Service (DDoS) Attack in Mobile Ad-hoc Networks

Abstract

Mobile ad hoc networks are non-static networks which formed without any central point communication infrastructure. In addition to node mobility, a ad-hoc is defined by bounded resource constraints such as bandwidth, battery power, and storage space. In this network, the intermediate nodes play role of router which routed the packets to the terminal node. The security challenges in the networks have become a primary concern to provide secure communication. The Attacks on MANET disrupts network performance and reliability. The DOS (denial-of-service), Distributed denial-of-service (DDoS) attacks are a rapidly growing problem. The multitude and variety of both the attacks and the defence approaches is overwhelming. These attacks influences network resources, denying of service for genuine node and degrades network performance. In this paper kind of attacks are presented which are attacked on ad-hoc network and advised approach to detect DDoS attack.

References

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Index Terms

Computer Science  Distributed Systems

Keywords

MANETs  Attacks  DoS  Distributed DoS.