Abstract

A Mobile Ad Hoc Network (MANET) is a self-organizing, infrastructure less, multi-hop network. The wireless and distributed nature of MANETs poses a great challenge to system security designers. The nature of ad hoc networks poses a great challenge to system security designers due to the following reasons: firstly, the wireless network is more susceptible to attacks ranging from passive eavesdropping to active interfering; secondly, the lack of an online CA or Trusted Third Party adds the difficulty to deploy security mechanisms; thirdly, mobile devices tend to have limited power consumption and computation capabilities which makes it more vulnerable to Denial of Service attacks and incapable to execute computation-heavy algorithms like public key algorithms; The work mainly focuses on identifying preventive methods of impersonation security attacks on MANET.

**Index Terms**

Computer Science Wireless Networks

**Key words**

Security Diminution

MANETs