Abstract

Wireless networks have become so popular in recent years that now a day almost every electronic gadget can be operated in wireless. Wireless ad hoc network is more vulnerable to security threats than wired network due to inherent characteristics and system constraints. This paper mainly addresses attacks due to misbehaving or malicious nodes. We have examined the effect of Black Hole attack on AODV routing and its detection method. I have simulated this attack and determined effect of this attack on network performance by different network scenario. I have also implemented detection method that help to isolates the malicious node in the network.

References

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Index Terms

Computer Science

Wireless

Keywords

Sequence number, AODV Protocol, Black Hole Attack