A Mobile Ad-Hoc network, or MANET, is an infrastructure less, self-configuring network. All wireless devices in MANETs are connected through wireless links. Mobile wireless networks are more vulnerable to information and physical security threats than fixed wireless networks. Due to the use of open and shared broadcast wireless channel and due to insufficient physical protection, these networks are prone to security threats. These threats can endanger the overall functionality of mobile ad-hoc network. Various security threats show their impact at different layers. In this paper we have discussed some basic routing protocols. Different security attacks have also been discussed. We consider the wormhole attack as routing attack and based on simulation study we compare the impact of wormhole attack on AODV and DYMO MANET routing protocols.

References

Performance Comparison of AODV and DYMO MANET Protocols under Wormhole Attack Environment


Index Terms

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Manet Aodv Dymo Dsr Wormhole