An Analysis of Gray-hole Attacks on Mobile Ad-hoc Networks

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 146

Number 14

Year of Publication: 2016

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10.5120/ijca2016910954

Abstract

Wireless communication is used to establish dialog among nodes and correspondence information. Mobile ad-hoc network is a collection of mobile nodes deployed with special purpose. Open nature of communication makes it vulnerable for various security threats. Subsequently, routing protocols are used to establish communication between nodes using route discovery mechanism. This paper gives brief details about security threats and AODV routing protocols along with gray-hole attack to investigate the need of preventive mechanism for better performance.

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Index Terms

Computer Science Wireless
Keywords

MANET, Security, AODV, Grayhole, DSR, NS2.