A Detailed Study on Black Hole Attack in MANET

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Abstract

Mobile Ad hoc Network is one of the most effective technologies for communication and different types of applications which are working in crucial conditions such as: Army Battle Ground, Disaster Management and similar others but due to completely wireless communication that is not much efficient and a huge number of performance losses are observed in the similar way due to the poor routing strategy, the attackers can also degrade the performance of the network. In this paper the security analysis against black hole attack is performed. In addition of that a brief literature review on recently developed techniques for detection and prevention of black hole is also reported finally based on the different novel solutions a combined effort for detection and prevention of black hole is proposed for further implementation and security of Mobile Ad Hoc Network.

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Index Terms

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Keywords

MANET, Black hole, Security, Wireless Communication, Routing technique.