Abstract

In presently a day’s remote (wireless) LAN is broadly utilized as a part of many public open spaces. Wireless access points expand wired network. It gives more flexibility to the clients. One of the fundamental concerns is that of Rogue Access Points (RAP). These security threads which bring about extreme damage to hierarchical information and assets could be because of inside or outer cause. Access point could be one reason which might permit attackers to break the security of authoritative system and permit them to get to sensitive data from system. The access points deployed without clear and definite permission from network administrator are called unauthorized, fake or rogue access point. There are numerous
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chances of presences of RAP in LAN data. Rogue Access Points (RAPs) is one of the foremost security threats in current network scenario, if not properly handled in time could lead from slight network faults to serious network failure. Most of the current solutions to detect rogue access points are not automatic and are dependent on a specific wireless technology. In this paper, we propose a Multi-Agent Based Methodology, which not only identifies Rogue Access Point but also completely eliminates it. This Methodology has the following exceptional properties: (1) it doesn’t require any specialized hardware; (2) the proposed algorithm detects and totally removes the RAPs from network; (3) it provides a cost-effective solution. The proposed technique can block RAPs as well as eliminate them from the networks both in form of Unauthorized APs or as a Rogue Clients Acting as APs.

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Index Terms

Computer Science Networks

Keywords
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