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UNAUTHORISED ACCESS POINT DETECTION FOR Wi-Fi NETWORK BY USING HYBRID APPROACH

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Abstract

Rough access point on enterprise network poses serious security thread. It is now well established that wired-wireless traffic correlation is the only robust way for comprehensive rough access point detection. One of the most important parts in network security which concerns with network administrators is the presence of rogue access points. Rogue access points, if undetected, can be an open door to sensitive information on the network. Many hackers have taken advantage of the undetected rogue access points in enterprises to not only get free Internet access, but also to view confidential information. Most of the current solutions to detect rouge access points are not automated and are dependent on a specific wireless technology. In this paper, we present a rogue access point detection approach. The approach is distinguish authorized WLAN hosts from unauthorized WLAN hosts connected to rogue access points by detecting rogue access points in a heterogeneous network comprised of wireless and wired subnets.

Keywords : Rogue access point, Detection Module, Network security, Wi-Fi –network, Wireless-Technology.