

A CM-Based Model for 802.11 Networks Security Policies Enforcement

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Abstract : In recent years, networks based on the 802.11 standards have gained a prolific deployment. The reason for this massive acceptance of the technology by both home users and corporations is assuredly due to the "plug-and-play" nature of the technology and the mobility. The lack of physical containment due to inherent nature of the wireless medium makes maintenance very challenging from a security standpoint. This study examines via continuous monitoring various predictable threats that 802.11 networks can face, how they are executed, where each attack may be executed and how to effectively defend against them. The key goal is to identify the key components of an effective wireless security policy.

Keywords : wireless LAN, IEEE 802.11 standards, continuous monitoring, security policy

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