



Towards Secure and Dependable Ticket Based Tracing System for Obtaining Forgery Attacks in WMN

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Abstract— *Privacy is a very important component in any network deployment now a day's. Users are willing to enjoy the network services without letting their identity. Anonymity comes in to picture which means not letting the user identity whenever he is accessing the benefits of the network. This anonymity condition is important for few services e.g. Social Networking. But there are few services where user has to reveal his identity e.g. on-line payment system, Internet banking or on-line transaction. We are mainly concentrating on Wireless Mesh Network (WMN). However, not all the users are honest when they are using the network services; there are certain situations where users are involved in misbehaving activities. Consequently we need a system which reveals user identity. Pseudonym techniques are the best for this. The systems will help to conditionally trace the honest users and misbehaving users in the Wireless mesh network. In this paper, A Secure Ticket Based tracing system is developed that mainly serves the above mentioned condition. Furthermore this proposed architecture not only used to trace the user activities, it is also guaranties to hold the fundamental security aspects like validation, endorsement, Data Protection.*

Keywords: - *Pseudonym; Anonymity; misbehavior; Tickets; Wireless Mesh Network*

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