

网络、通信、安全

增强的无线TNC证实模型及协议设计

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摘要 可信计算技术为解决无线安全问题提供了一个新的思路, 无线可信接入是无线网络安全领域的研究热点。目前的可信网络连接 (TNC) 架构并不能很好适应无线接入环境。通过分析TNC架构的不足, 提出一种增强的无线TNC证实模型并设计模型下的相关协议。通过分析, 该模型有较高安全性和效率, 具有一定的匿名性, 适合于无线接入环境, 同时能够兼容不含可信芯片的无线终端接入。

关键词 [可信网络连接](#) [无线接入](#) [证实模型](#) [可信平台模块](#)

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Design of enhanced wireless trusted network accessing attestation model and its protocols

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Abstract

Trusted computing technology brings a new solution to the wireless security problems. Wireless trusted accessing is an important aspect of WLAN security domain. The trusted network connect architecture is not adapted to the wireless accessing environment. By analyzing the deficiencies of TNC architecture, an enhanced wireless TNC attestation model and its protocols are proposed. The model has higher security and efficiency. It also has some anonymity and is adapted to the wireless accessing environment by analysis. At the same time, it also allows the wireless terminal without TPM to access.

Key words [Trusted Network Connect \(TNC\)](#) [wireless access](#) [attestation model](#) [Trusted Platform Module \(TPM\)](#)

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