

网络、通信、安全

P2P环境下的一种混合式信任模型

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摘要 提出了一种P2P环境下的混合式动态信任模型来解决当前P2P网络的安全性差、难于管理等问题缺陷。该模型融合了本地信任、推荐信任和全局信任模型, 通过有机的结合能充分发挥各自模型的优点。同时通过相应的反馈机制能够有效地判断节点信任度的变化和抵御诋毁、夸大等安全问题。仿真结果表明, 该模型能有效地判断节点的信任度, 同时具有良好的安全性。

关键词 [对等网络 \(P2P\)](#) [网络安全](#) [信任模型](#) [信任度](#)

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Hybrid dynamic trust model in P2P environment

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Abstract

This paper puts forward a hybrid dynamic trust model in P2P network which can resolve the problems of P2P network such as bad security, hard to management and so on. This model has integrated local trust, recommendation trust and global trust model, by this organic combination each model can take their respective advantage in the best measure. Meanwhile through the relative feedback mechanism, this model can effectively distinguish the change of node trust value, safety problems such as defense exaggeration, slander and so on. The simulation result indicates that this model can effectively distinguish the trust degree of node, at the same time it has the good safety.

Key words [Peer-to-Peer \(P2P\)](#) [network safety](#) [trust model](#) [trust degree](#)

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