

## 一种基于信任评估的云服务属性访问控制模型

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**摘要:** 针对云服务的安全访问控制问题, 提出一种基于信任评估的云服务属性访问控制模型. 该模型将信任与基于属性访问控制框架相结合, 采用一种基于服务质量指标的信任评估方法, 融合直接信任、间接信任和综合信任来评估云资源信任度. 仿真实验结果显示, 该模型能正确、有效地抑制云用户对恶意虚假服务的访问, 增强了云服务访问的安全性.

**关键词:** 云安全; 访问控制; 信任; 服务质量指标

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## A Cloud Service Attribute Access Control Model Based on Trust Evaluation

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**Abstract:** Aimed at the problems of security access control cloud services in cloud computing, a cloud service attribute access control model based on trust evaluation was put forward. Combined with access control framework based on attribute, a trust evaluation method based on service quality indicators is proposed. Direct trust, indirect trust and comprehensive trust are utilized to evaluate the credibility of cloud resource. The simulation results show that the model can correctly and effectively prevent cloud users access to malicious and untrusted services. The security of cloud service access is improved.

**Key words:** cloud security; access control; trust; SQI

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