

虚拟云桌面的访问控制算法研究

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摘要: 针对云桌面访问控制的问题, 提出一种基于统计学的虚拟云桌面访问控制算法, 对虚拟云桌面数据进行加密处理并对加密的过程进行分析, 在此基础上, 通过建立描述并发用户负载访问虚拟云桌面的排队论模型, 并分析了基于统计学的虚拟云桌面访问控制算法过程, 从而完成访问控制, 在保证用户访问需求的同时, 最大程度地利用虚拟云桌面资源. 实验证明, 所提访问控制算法能够有效保证虚拟云桌面数据的安全, 提高了访问控制的响应时间, 且访问控制的精度较高.

关键词: 虚拟云桌面; 访问控制; 算法研究

Research on Access Control Algorithm of Virtual Cloud Desktop

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Abstract: For the cloud desktop access control problems, put forward a virtual cloud desktop access control algorithm based on statistics, the virtual desktop cloud data encryption processing and the process of the encryption is analyzed, on this basis, through the establishment of virtual cloud desktop access concurrent user load of queuing theory model, and analyses the virtual cloud desktop access control algorithm based on statistical process, so as to complete the access control, in that users access requirements at the same time, using virtual desktop cloud resources to the greatest extent. Experiments show that the proposed access control algorithm can effectively guarantee the safety of the virtual desktop cloud data and improve the response time of the access control, and access control precision is higher.

Key words: virtual cloud desktop; access control; algorithm research

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