

## **A New Access Control Scheme with High Data Security**

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### **Abstract**

In an information protection system, the effectiveness of access control scheme depends on the security of its access control information. Once the access control information is exposed to unauthorized modification, the whole information protection system will be broken. In this paper, we propose a new access control scheme, which provides additional protection capability on its access control information, and thus makes the information protection system more secure. When data security is the most important factor in designing an information system, our scheme is the best choice among all access control schemes ever proposed.

*Keywords:* Access Control, Information Protection System, Cryptosystem.