Abstract

Software security to protect mobile agent consists of lots of aspects like cryptography, access control and trust management, intrusion detection and tamper resistance, authentication and privacy, signature schemes, e-commerce, security analysis, mobile computing security etc. So, to design and develop security mechanisms for mobile agents against malicious hosts this paper identifies different kinds of attacks and relationships between them. Security objectives and requirements are analyzed with security measures taken to protect mobile code, state and data.

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**Index Terms**

Computer Science  
Network Security

**Key words**

- Cryptography  
- access control 
- trust management 
- intrusion detection 
- authentication 
- privacy 
- signature schemes 
- e-commerce