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.

Reference

- "Designing Autonomous Agents,pgs 49-70,The MIT
- Sergi Robles, Mobile Agent system and Trust, a combined View toward Secure Sea-Data applications. July 2002.

- Ma, L., and Tsai, J. J.P., “Attacks and countermeasures in software system security,” Handbook of Software Engineering and Knowledge Engineering, “.

- The Foundation for Intelligent Physical Agents. See http://drogo.cselt.it/fipa/.
Security Issues in Mobile Agents


Index Terms

Computer Science

Network Security

Key words

Cryptography

access control

trust management

intrusion detection

authentication

privacy

signature schemes

e-commerce