Abstract

Security and performance are most essential and prime challenges for networking phenomenon. Computation on the remote host is generally done through links. Thus security is needed when the code is on the way to the destination host. A program travelling over the link is extremely vulnerable to be forged for malfunctioning. On the other hand Software's are commonly distributed with all information in the code itself, for example java byte codes. Byte codes are easy to reverse engineer. Any rival company may get the algorithms and techniques used in the product. Therefore a protection is needed to keep information secret. In both the cases obfuscation seems to be a promising solution to the problem. Obfuscation makes code less understandable without changing its functionality. In this paper we have proposed an obfuscator that converts source code of a mobile agent into unintelligible code. Whole paper mainly focuses on obfuscating mobile agents whereas the technique can be used for any software obfuscation.
Obscuring Mobile Agents by Source Code Obfuscation

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Index Terms

Computer Science

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Keywords