Abstract

With the explosive growth of internet technology, many innovative web applications have been launched. For designing web applications Java has become a very popular programming language. Java bytecode technique makes it with high portability. However, it also poses large dangers to malicious users. Many techniques have been proposed for software copyright protection. They are useful for stand-alone Java applications. Due to special characteristics of Java web applications, copyright protection faces new challenge. In this paper, a copyright protection scheme for browser based Java applications have been introduced. The core of this scheme is a software watermarking algorithm. Code tamper-proofing and code obfuscation are also applied to watermark Java code for better protection. The experimental results demonstrate the feasibility of the scheme.

References


Index Terms

Computer Science

Security

Keywords

web applications watermarking code obfuscation temper proofing bytecode.