An Improved Secured Client Authentication to Protect Software against Piracy

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Authors:
G. Syam Prasad
G. Samuel Vara Prasad Raju

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Abstract

Software protection and security plays a vital role to the business and commercial organizations. Various techniques has been proposed to enhance the security of the client’s system to authenticate the software against piracy protection. Various software attacks like hardware cloning, software cloning, software cracking, virus scripts provides high influence on economic development. So it is necessary to develop an enhanced framework to protect software systems against piracy. Existing approaches provide solutions against using smart cards or internet based secured user authentication mechanisms. Existing literature work mainly provides solutions to software piracy against different attacks. But existing approaches doesn’t protect software's through reverse engineering or hardware cloning threats. This paper proposed a framework which can be used to protect piracy against hardware piracy. Experimental results shows proposed approach provides better software protection against existing smart card based techniques.

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Index Terms

Computer Science  Security

Keywords

Software Protection  Authentication  Hashing  Internet  Piracy.