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(57) Abstract :

The present disclosure relates generally to field of field of computer security. More specifically the present invention relates to a system for securely managing encryption keys in a distributed computing environment. The system (100) includes a hardware-based key management device (102) for storing and managing a plurality of encryption keys and a software-based key management interface (104) for controlling access to the encryption keys stored in the hardware-based key management device (102). The software-based key management interface (104) comprises an access control mechanism (108) for controlling user access to the encryption keys. Further the present invention relates to a method for securely managing encryption keys in a distributed computing environment. Advantageously, the present invention relates to a system and method for securely storing and managing encryption keys in a distributed computing environment, while providing efficient and convenient access to authorized users.

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