

Secure Symmetric Key Management Scheme with Control Vector System

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Abstract

Security is necessary for to protect the information transmission. Cryptography is the process of encryption and decryption a message for data security (such as symmetric and asymmetric cryptography). In this system, symmetric key cryptography and cryptography key usage based on control vector. Each cryptographic key has an associated control vector that defines the permitted use of the key within the cryptographic system. In this paper, this use of control vector in crypto systems based on hash function (MD5) and Advanced Encryption Standard (AES).