Abstract

With the tremendous growth of sensitive information on cloud, cloud security is getting more important than even before. The cloud data and services reside in massively scalable data centers and can be accessed everywhere. The growth of the cloud users has unfortunately been accompanied with a growth in malicious activity in the cloud. More and more vulnerabilities are discovered, and nearly every day, new security advisories are published. Millions of users are surfing the Cloud for various purposes, therefore they need highly safe and persistent services. The future of cloud, especially in expanding the range of applications, involves a much deeper degree of privacy, and authentication. We propose a simple data protection model where data is encrypted using Advanced Encryption Standard (AES) before it is launched in the cloud, thus ensuring data confidentiality and security.

References

Enhancing Cloud Computing Security using AES Algorithm

- John Harauz, Lori M. Kaufman and Bruce Potter, "Data security in the world of cloud computing?", 2009 IEEE CO Published by the IEEE Computer and Reliability Societies.

Index Terms

Computer Science
Security
Keywords
Cloud Computing  Cloud Security  Cryptography  AES