TAFC: Time and Attribute Factors
Combined Access Control
for Time-Sensitive Data in Public Cloud
ABSTRACT

• New paradigm of outsourcing data to the cloud is a double-edged sword.
  • On the one hand, it frees data owners from the technical management, and is easier for data owners to share their data with intended users.
  • On the other hand, it poses new challenges on privacy and security protection
• by embedding timed-release encryption into CP-ABE (Ciphertext-Policy Attribute-based Encryption),
• we propose a new time and attribute factors combined access control on time-sensitive data for public cloud storage (named TAFC).
EXISTING SYSTEM

• The new paradigm of outsourcing data to the cloud is a double-edged sword. On the one hand, it frees data owners from the technical management, and is easier for data owners to share their data with intended users.

• On the other hand, it poses new challenges on privacy and security protection.
DISADVANTAGES

- Lacks fine granularity
- time-sensitive data
PROPOSED SYSTEM

• by embedding timed-release encryption into CP-ABE (Ciphertext-Policy Attribute-based Encryption)
• we propose a new time and attribute factors combined access control on time-sensitive data for public cloud storage (named TAFC)
ADVANTAGES

• data sharing
• cost reduction
• data storage
HARDWARE REQUIREMENTS

- Processor: Intel
- Speed: 1.1 GHz
- RAM: 256 MB (min)
- Hard Disk: 20 GB
- Monitor: SVGA
SOFTWARE REQUIREMENTS

• Operating System - Windows 7/8
• Front - End - ASP.NET with C#
• Tools used - Visual studio 2010
• Back – End - SQL SERVER 2005
REFERENCES

