

## Semantic-aware Searching over Encrypted Data for Cloud Computing

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## Objective

- With the increasing adoption of cloud computing, a growing number of users outsource their datasets to cloud.
- To preserve privacy, the datasets are usually encrypted before outsourcing.
- However, the common practice of encryption makes the effective utilization of the data difficult.
- It is difficult to search the given keywords in encrypted datasets.
- Many schemes are proposed to make encrypted data searchable based on keywords. However, keyword-based search schemes ignore the semantic representation information of users' retrieval, and cannot completely meet with users search intention.

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## Existing System

- The user search keyword is encrypted and it is compared with all documents of the cloud.
- It takes more performance time and the documents are encrypted and decrypted many times.

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## Proposed system

- In this system, we propose an efficient searchable encrypted scheme based on concept hierarchy supporting semantic search with two cloud servers.
- A concept hierarchy tree is constructed based on domain concepts related knowledge of the outsourced dataset.

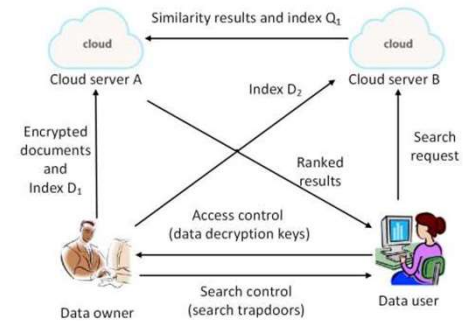
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## Specifications

- Hardware Requirements:
  - Processor : Any Update Processor
  - Ram : Min 1 GB
  - Hard Disk : Min 100 GB
- Software Requirements:
  - Technology : php
  - Web Technologies : Html, JavaScript, CSS.
  - Web Server : Apache
  - Server side Lang : php
  - Database : My SQL

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## Diagram



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## Modules

- Data Owner
- Data User
- Server A
- Server B

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Thank You..!

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