

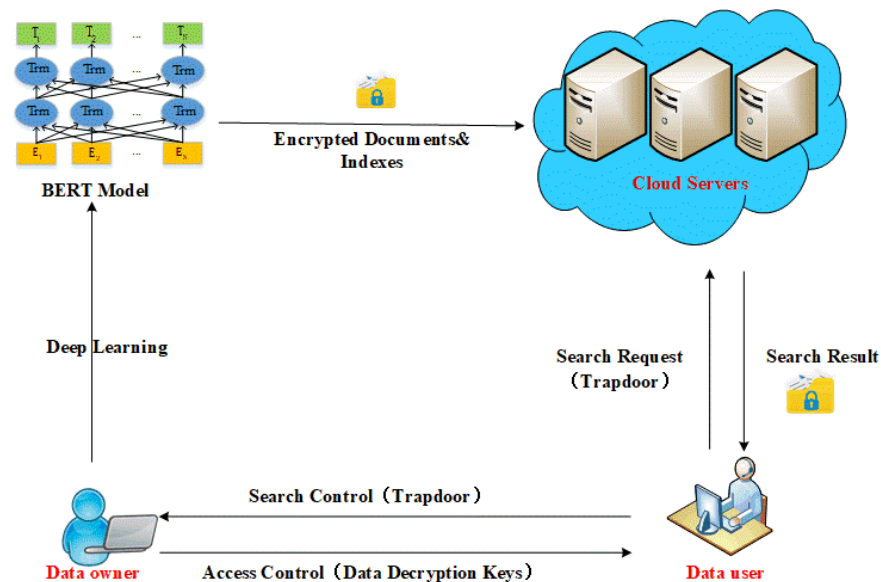
# Semantic and Secure Search Over Encrypted Outsourcing Cloud Based on BERT

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# Problems & Ideas

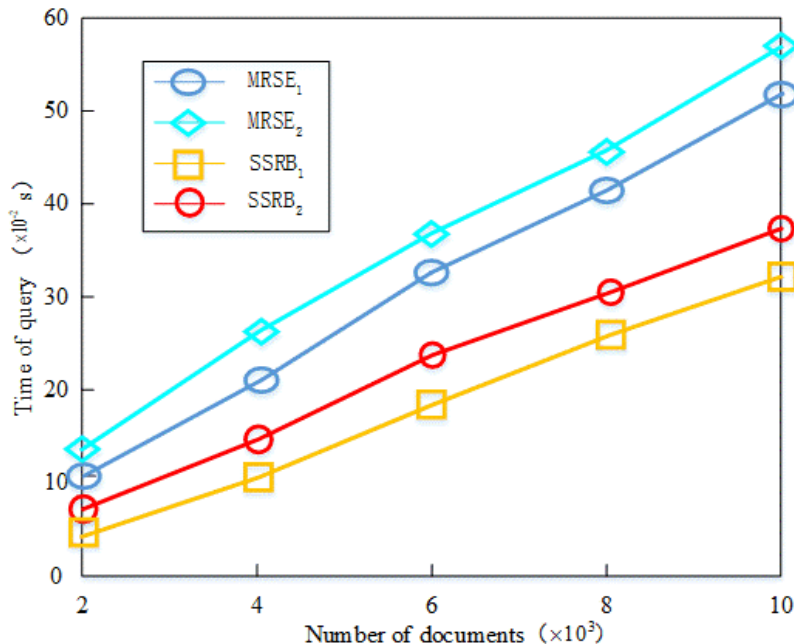
- Problems of Semantic retrieval over encrypted outsourcing cloud
  - Insufficient semantic information
  - context-free semantic retrieval
- Ideas: secure and semantic retrieval schemes based on BERT
  - sufficient semantic information
  - Contextual semantic retrieval



# Main Contributions

We apply the deep learning language model BERT to the field of searchable encryption. With the help of BERT, our search results are more in line with the user's search intention.

- The time cost for query



- The cosine score of query

