

## عنوان مقاله:

Sieving Search Results for Attribute-Based Keyword Search in Cloud

## محل انتشار:

سومین کنفرانس بین المللی پژوهشهای کاربردی در مهندسی کامپیوتر و فن آوری اطلاعات (سال: 1394)

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## خلاصه مقاله:

Search ability on encrypted data without any information leakage is a matter of concern in cloud computing. Also, establishing such a policy to control data access is another concern. Searchable encryption (SE) along with attribute-based encryption (ABE) have resolved both problems. Attribute-based keyword search (ABKS) scheme uses both features simultaneously. In most ABKS schemes, data user has no freedom of action in his search and he can just query the cloud to search for certain keywords. While he may not need to receive some data. We have focused on this issue and proposed a scheme which can sieve the search results. In the proposed scheme, both data user and data owner establish their policies to determine which keywords or files are to be searched or accessed. Besides, the data owner attaches his files using labels to specify the contents of the files to prevent any conceptual ambiguity in the desired keywords. In spite of using two ABKS schemes the computational complexity of the proposed scheme is not doubled.

## کلمات کلیدی:

keyword search, label, cloud computing, attribute based encryption

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/466980>

