

Distributed Ontology Cloud Storage System

IEEE 2nd Symposium on Network Cloud Computing and Applications, NCCA 2012, Pp 48-52, 2012

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ملخص البحث باللغة الانجليزية

There are dramatically increasing interests from both academic and industry in the trend of cloud computing. Cloud computing depends on the idea of computing on demand that provide, support and delivery of computing services with stable and large data space. Our research concerns with improving the searching process in the cloud storage via avoiding the bottleneck in central ontology cloud storage system since all data chunks in the cloud must be indexed by a master ontology server.

The contribution of this paper proposes new cloud storage architecture based distributed ontology as one of the main semantic technologies. This architecture provides better scalability, fault tolerance and enhanced performance for searching in the cloud storage avoiding the central bottleneck.