Abstract

The advantage of cloud computing is everlasting but it brings more issues including security. Double-checking the security of cloud computing is a foremost factor in the cloud computing natural environment, as users often store sensitive data with cloud storage providers but these providers may be untrusted. Cloud storage providers may be single cloud or multi-cloud. But it is found that the research into the use of multi-clouds providers to maintain security has received less attention from the research community than the use of single clouds. This paper surveys many running research related to single clouds and multi-clouds security and address possible solutions and methodology. The main focus of this paper is use of multi-clouds and data security and reduce security risks. This paper gives a comparative analysis of various security mechanisms like HAIL[8], ICStore[10], RACS[9], DepSky model[7] using secret sharing algorithms[14]. Thus it could assist in analyzing best fit scenario for elegant secured cloud computing environment.

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Index Terms

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Service availability