Abstract

Cloud computing has been seen as the next generation architecture of IT enterprise. The cloud paradigm advantages and its potential for decreasing costs and reducing the time for a service that favours towards security issues. Cloud Computing is an aggregation of IT services that offered to the customer based on leasing. Though a large number of security issues are addressed, still some are not addressed and several algorithms are proposed for security issues. This paper presents a perspective of cloud computing technologies, essential characteristics, classifications, delivery models and various encryption mechanisms. A comparative study made on several encryption techniques are used for maintaining the confidentiality in the cloud. Finally, the major data security issues present in cloud computing are discussed.
A Comparative Analysis of Encryption Techniques and Data Security Issues in Cloud Computing

References

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**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

Cloud Computing  
Confidentiality  
Encryption  
Data Security Life Cycle