A Survey of Cloud Computing Fault Tolerance: Techniques and Implementation

Abstract

Cloud computing provides services as a type of Internet-based computing using data centers that contain servers, storage and networks. For this reason, the cloud computing its great potentials in low cost and on-demand services. In recent years, the end user is highly increased to utilize the services in cloud computing. However, the faulty of infrastructure, software and application are the major problem in cloud computing. Fault tolerance uses techniques that concerned to guarantee availability, reliability of critical services and application execution. This paper discusses the existing fault tolerance techniques and challenges to minimize failure impact on the system and application execution in cloud computing.

References

2. K. V. Vishwanath and N. Nagappan, “Characterizing cloud computing hardware
A Survey of Cloud Computing Fault Tolerance: Techniques and Implementation


Index Terms

Computer Science
Distributed Systems

Keywords

Cloud Computing, Fault Tolerance, Data Centers.