Abstract

With the immense growth of internet and its users, Cloud computing, with its incredible possibilities in ease, Quality of service and on-interest administrations, has turned into a guaranteeing figuring stage for both business and non-business computation customers. It is an adoptable technology as it provides integration of software and resources which are dynamically scalable. The dynamic environment of cloud results in various unexpected faults and failures. The ability of a system to react gracefully to an unexpected equipment or programming malfunction is known as fault tolerance. In order to achieve robustness and dependability in cloud computing, failure should be assessed and handled effectively. Various fault detection methods and architectural models have been proposed to increase fault tolerance ability of cloud. The objective of this paper is to propose an algorithm using Artificial Neural Network for fault detection which will overcome the gaps of previously implemented algorithms and provide a fault tolerant model.
Review on Fault Tolerance Techniques in Cloud Computing

- Furht, B. (2010). Cloud computing fundamentals. In Handbook of cloud computing (pp. 3-19). Springer US.
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Index Terms

Computer Science  Distributed Systems

Keywords

Cloud Computing  Fault Tolerance  Failure Detector.