Abstract

In these days there is a very little fraction of peoples who does not know about the cloud. Cloud offers various services to its users on demand. In Cloud Computing one of the major problem areas is Fault Tolerance. In cloud there is a term named virtualization that is very important and common. In virtualization that there is a dynamic number of virtual machines having different operating systems run on a single physical machine. In this paper a fault tolerance technique i.e. Enhanced Energy Aware Fault Tolerance Resource Optimization (EEAFTRON) technique is proposed. The purpose of this proposed technique is to optimize the resources efficiently so that the possibility of fault becomes less. If after efficient resource optimization or resource allocation fault occurs, then by using effective fault tolerance technique it can be handled. The proposed algorithm helps to minimize the execution time of tasks.

Index Terms

A New Enhanced Mechanism for Fault Tolerance using Resource Optimization

References

1. Asmita Pandey, Pooja, “Cloud Computing – An on Demand Service Platform”, International Conference on Advances in Management and Technology (iCAMT - 2013), pp 5-9

Index Terms

Computer Science Distributed Systems

Keywords

SaaS, PaaS, IaaS, VM's, Reactive, Proactive.