Abstract

Cloud computing is one of today's most exciting technologies because of its capacity to reduce cost associated with computing while increasing flexibility and scalability for computer processes. During the past few years, cloud computing has grown from being a promising business idea to one of the fastest growing sectors of the IT industry. But there is a prime essence that IT organizations have expressed concerns about critical issues such as Security that accompany the widespread implementation of cloud computing. Reliability is one of the important factors for cloud computing resource for maintaining higher user satisfaction and business continuity. This paper brings out various challenges of cloud computing and some of influences factors to overcome disaster in cloud. Further, this paper analyzes the existing reliability assurance algorithm and proposes an enhanced algorithm using proactive filtering.
based redundancy scheduling technique. Enhanced Proactive Filtering based Redundancy Scheduling algorithm further reduces the impact of disaster in cloud computing due to reliability factors and hence improves business tactics.
Improving Reliability in Cloud Computing Systems

Index Terms

Computer Science  Distributed Systems

Keywords

Cloud Computing  IT Industry  Reliability  Proactive Filtering  Disaster Management