Title:
Fault Tolerance in distributed systems

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Abstract:
In this paper the aim is providing a better understanding of fault, fault tolerance and fault tolerance techniques used in the distributed real time environments. Fault Tolerance is an important issue in Distributed Computing. Fault-tolerant describes a computer system or component designed so that, in the event that a component fails, a backup component or procedure can take its place immediately with no loss of service. Let us survey what has been done. We provide an overview of the related works such as has described the usual method of obtaining fault tolerance synchronization in distributed system is to add timeouts to time independent algorithms in ۱۹۷۴, Sumin Park and Kwangyong Lee [۲۰۱۰] designed a fault tolerant system based on runtime behavior tracing , Arvind Kumar et al [۲۰۱۱], presented a paper investigating the different techniques of fault tolerance, ۲۰۱۳, Pankaj Saxena and Kapil Govil designed an optimized algorithm for enhancement of performance of distributed computing system.

Keywords:
Fault Tolerance, Fault Environment, Replication, Consistency

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