A Hybrid Fault Tolerance System for Distributed Environment using Check Point Mechanism and Replication

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Abstract

Managing the distributed environment against the failures plays an important role nowadays. There are so many techniques evolved so far and each have their own merit and demerit. The efficiency of the algorithm depends on how much replication is done and up to what extent the fault tolerance has been achieved. We have here proposed a new method which uses both check point as well as the replication to ensure consistency in the distributed environment. Our method is also easy to implement.

References


20. N. Gorde, S. Aggarwal, “A Fault Tolerance Scheme for Hierarchical Dynamic Schedulers in Grid” International Conference on Parallel Processing Workshops, 2008 IEEE.

Index Terms

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Keywords
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