A New Robust Centralized DMX Algorithm

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Keywords

Distributed System, Mutual Exclusion, Fault Tolerance, Centralized Algorithm

Abstract

In a distributed system, process synchronization is an important agenda. One of the n for process synchronization is mutual exclusion. This paper presents a new centr tolerant distributed mutual exclusion algorithm based on Agrawala and El-Abbadi's a new algorithm, once coordinator crashes, algorithm can recover lost data and coordinator in earlier situation. Thus fault tolerance will ascend and centralize algorith point of failure" will be omitted. So based algorithm will be more reliable. The only consuming some inappreciable time in case of coordinator's crash.

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From Proceeding (551) Parallel and Distributed Computing and Networks - 2007

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