Abstract

A deadlock is a system state in which every process in some group requests resources from other processes in the group, and then waits indefinitely for these requests to be satisfied. Deadlocks have a very adverse effect on the efficient working of operating system therefore they should be either prevented, avoided or if exist should be detected and resolved. Because distributed systems are more vulnerable to deadlocks, the problems of deadlock detection and resolution have long been considered important problems in such systems. This paper provides a comprehensive review of the some of the existing techniques for deadlock detection in distributed environment.

References

- Ng,W. K and Ravishankar C. V. 1994. On-Line Detection and Resolution of
  - Kshemkalyani, A. D. and Singhal, M. 1999. A One-Phase Algorithm to Detect Distributed Deadlocks in Replicated Databases, IEEE Trans. Knowledge and Data Eng., vol. 11, no. 6, 880-895
  - Kshemkalyani, A. D. and Singhal, M. 1999. A One-Phase Algorithm to Detect Distributed Deadlocks in Replicated Databases, IEEE Trans. Knowledge and Data Eng., vol. 11, no. 6, 880-895

Index Terms

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Keywords
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