A Comparative Analysis of Election Algorithm in Distributed Systems

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Abstract
In distributed system, an important challenge faced is the adoption of efficient algorithms for coordinator election. The main role of an elected coordinator is to manage the use of a shared resource in an optimal manner. Among all the algorithms reported in the literature, the Bully and Ring algorithms have gained more popularity. This paper proposes a comparative analysis of the various election algorithms in distributed system and also presents a new approach for effective election.
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Reference


Index Terms

Computer Science
Communications

Key words

Election
Coordinator
Priority
Status table