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## Abstract

The computationally hazardous problems necessitate deploying the complexity in the grid environment for the earlier execution. This can only be achieved by resource sharing. To ensure the availability of resources at the required time, the resources are reserved in advance. The available advance resource reservation schemes are FCFS, priority based reservation, reservation based on negotiation, time slice based advance resource reservation and optimized resource reservation. In all the reservations, it is assumed that the reservations done are utilized, but there are some situations where the reserved resources are kept idle. This paper analyzes the reservations which are unutilized and allocates the unutilized reservations to the current requirements.

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### Index Terms

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### Keywords

Grid Computing, Advance Resource Reservation, time-slice based reservation, Optimized resource reservation, dynamic resource reservation.