Multi-objective Functions in Grid Scheduling

Zafril Rizal M. Azmi, M. A. Ameedeen, Imran Edzereiq Kamarudin

Faculty of Computer System and Software Engineering, Universiti Malaysia Pahang, Lebuhraya Tun Razak, Gambang, 26300, Pahang, Kuantan, Malaysia

ABSTRACT

In order to fully utilize the Grid resources, an implementation of a good scheduling algorithm is greatly important. However, for a complex scheduler that aims to achieve high performance for more than one performance metrics, a suitable objective function should be carefully considered. This paper shows that a different objective function will have different affect to the Grid performance.