

Approach for Client Awareness, Resource Allocation, Optimizing Social Groups and Task Scheduling in Heterogeneous Clouds

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Abstract: Resource allocation in parallel clouds is a challenging task due to various requirements of cloud providers and cloud customers. As the workload size on the server changes from time to time, client demands and application actions remain different. The main challenge and focus is to deliver incoming workloads to VMs that are available from the physical system. In this study, the distribution of customer awareness and customer demand planning using an optimization method called SGOCARAJS algorithm is introduced to reduce the gap between constantly changing customer needs and available resources.

Keywords: Virtual machines, Resource allocation, social groups, heterogeneous, optimization method

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