

SYSTEM AND METHOD FOR IMPLEMENTING FAILOVER IN SCHEDULING SERVICES

ABSTRACT

Herein disclosed includes a system configured to implement a failover in scheduling services, the system comprising: server apparatuses each comprising a processing unit and a memory unit, wherein the system is configured to obtain a task to be executed and to associate the task with a label from which requirements of the task is identifiable, wherein the processing unit and the memory unit of each server apparatus are co-operable to configure the server apparatus as a service node capable of obtaining the task, and wherein the server apparatuses are configured to enter a competition mode in which the server apparatuses compete for the label, and one of the server apparatuses, which matches the requirements, obtains and holds the label, and converts from the service node to a target service node to execute the task, and if an exception happens to occur in the target service node, the server apparatus operating as the target service node is configured to release the label to idling server apparatuses to compete for the label, avoiding any unnecessary repetition and/or delay from the server apparatuses in executing the task. Herein disclosed also includes a method for implementing such failover in a system configured to schedule services.

FIG. 1