

RESOURCE MANAGEMENT SYSTEM AND METHOD

ABSTRACT

5 A resource management system and method are provided. The resource management system includes a resource collaboration component, a resource controller and an agent node. The resource collaboration component is configured to determine a heavy-load task to be executed by a target application, calculate resource requirement information corresponding to the heavy-load task and send a resource adjustment request to the resource controller based on the
10 resource requirement information. The resource controller is configured to determine a target container associated with the target application in response to the resource adjustment request, and perform a patch update on a resource definition field of the target container according to the resource adjustment request. The agent node is configured to modify a control group configuration file of the corresponding target container upon detecting a patch update
15 operation. The resource controller is configured to send resource adjustment completion information to the target application upon determining that the modified control group configuration file has taken effect, for the target application to execute the heavy-load task.

(Figure 1)