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(54) Title: LOAD BALANCER SYSTEM AND METHOD FOR SERVER/NODES IN CLOUD ENVIRONMENT

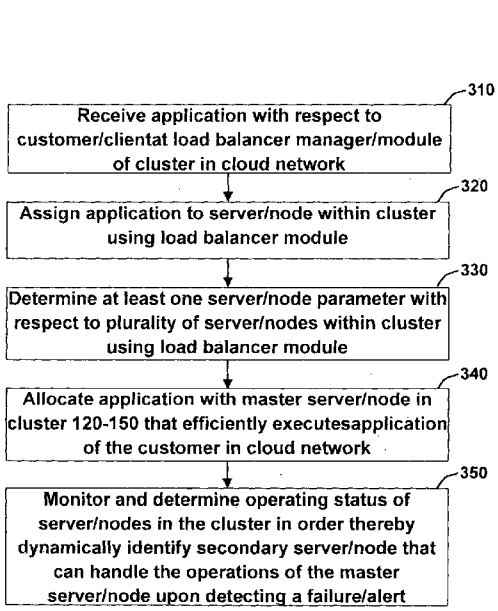


FIG.3

(57) Abstract: A load balancer system and method for handling loads of the server/nodes in a cluster of a cloud network. An application with respect to a customer/client can be received at a load balancer manager/module of a cluster in a cloud network in order to assign the application to a server/node within the cluster. At least one server/node parameter with respect to the plurality of server/nodes within the cluster can be determined using the load balancer module in order to thereby allocate the application to a master server/node in the cluster that efficiently executes the application with respect to the customer in the cloud network. The load balancer can be also adapted to monitor and determine the operating status of the plurality of server/nodes in the cluster in order thereby dynamically identify a secondary server/node that can handle the operations of the master server/node upon detecting a failure/alert at the master server/node. Such a system and method can be adapted in a wide range of cloud applications foreffectively handling loads in the server/nodes of the clusters in order maximize the usage of the resources in the cloud network.

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