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(57) Abstract :

The present disclosure provides a system (108) and method for adaptively allocating resources. The system (108) receives request(s) from user(s) (102) for allocating resource(s) (110) to application(s), where the applications (112) and the resources (110) are configured with the system (108). The system (108) receives parameters which are performance metrics indicating the efficiency of allocation of resources (110) from the applications (112). The system (108) analyzes the parameters and allocation of the resources (110) using one or more techniques which may include machine learning technique(s). The system (108) determines allocation of resource(s) (110) to the application(s) (112) based on the analysis. The parameters may be selected by the users (102) and may include response time, throughput, energy consumption, and cost.

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