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(57) Abstract :
A Distributed Computing System consists of multiple software components on various computers but runs as a single system. Service-oriented composite utilization is an aggressive concept in distributed computing. Service level agreement (SLA) violations are a complex task to explore different composite service progression from the distributed environment. Reduction and prevention of SLA violations are necessary to describe efficient service utilization in service-oriented architecture services because of the least cost utilization to minimize total cost efficiency from SLA violations and prevent automatic services. The present invention disclosed herein is a Novel Method of SLA Violations Prevention using Optimized Advanced Greedy Heuristic Approach comprising of optimized and advanced greedy heuristic approach (OAGHA) to predict and prevent Service level agreement violations in composite service execution in distributed computing. The present invention is useful to indicate unwanted service utilization in distributed environment. Experimental outcome of the present disclosure shows how service composition gives service utilization to reduce costs for service provider.

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