An enhanced genetic algorithm for web service location-allocation.


Summary: Network latency has a significant impact on the response time of web services. Thus, the proper choice of network locations for the deployment of web services is of major importance for the performance of web services. In this paper, we present an enhanced genetic algorithm with self-adaptive feature and memory filter to solve the location-allocation problem for web services. A simulated experiment is conducted using the WS-DREAM dataset with 8 different complexities. The results show that our approach is able to efficiently compute good solutions for the location-allocation problem.

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