

computing the service ranking based on the cloud application designer's preferences. Experimental results show that our approaches outperform existing rating-based approaches and the traditional greedy method.

5. Future Work

Multiple invocations of a cloud service at different time, we will explore time-aware QoS ranking prediction approaches for cloud services by employing information of service users, cloud services, and time. As our current approaches only rank different QoS properties independently, we will conduct more investigations on the correlations and combinations of different QoS properties. We will also investigate the combination of rating-based approaches and ranking-based approaches, so that the users can obtain QoS ranking prediction as well as detailed QoS value prediction. Moreover, we will study how to detect and exclude malicious QoS values provided by users.

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