

Determine the Optimal Path of Content Adaptation Services with Max Heap Tree

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Abstract : Recent development in computing and communicative technologies leads to much easier mobile accessibility to the information. Users can access to the information in different places using various devices in which the care variety of abilities. Meanwhile, the format and details of electronic documents are changing each day. In these cases, a mismatch is created between content and client's abilities. Recently the service-oriented content adaptation has been developed which the adapting tasks are dedicated to some extended services. In this method, the main problem is to choose the best appropriate service among accessible and distributed services. In this paper, a method for determining the optimal path to the best services, based on the quality control parameters and user preferences, is proposed using max heap tree. The efficiency of this method in contrast to the other previous methods of the content adaptation is related to the determining the optimal path of the best services which are measured. The results show the advantages and progresses of this method in compare of the others.

Keywords : service-oriented content adaptation, QoS, max heap tree, web services

Conference Title : ICCSE 2016 : International Conference on Computer Science and Engineering

Conference Location : Vancouver, Canada

Conference Dates : August 04-05, 2016