Abstract

UDDI (Universal Description, Discovery, and Integration) is a directory to register and locate web service application. It facilitates businesses to easily and dynamically find and transact with
one another through their preferred services. The present centralized UDDI structure is less robust and it is difficult to support a large number of Web services. It has become the bottleneck of the whole system and would cause single node failure problems. There is lack of interoperability between UDDI registries because different registries have different usage policies and pose various requirements on acceptable announcements and retrieval demands of Web services. These problems can be solved by distributing the functions and volume set of data of UDDI. Distributed UDDI is built upon the functionalities similar to distributed database. This suggests that the problems in distributed database can also be experienced in distributed UDDI. This paper discusses the issues and challenges in distributed UDDI, similar problems between distributed UDDI and distributed database and the existing solutions for them.

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Index Terms

Computer Science
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Keywords

Distributed database
Federated
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