A Study of Collaboration on a Community Framework between Web Services and Intelligent Agents

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ABSTRACT

It is more and more important to promote Web Services architecture which is based on XML technology. The objective of this paper is to combine collaborative mechanism of agent society into Web Services architecture and then increases the rate of reuse services. This architecture is composed of the register center agent, the service provider agent and the service requester agent to help requesters to retrieve services. When a new service is deployed, the register center agent will send the suitable information to the requesters in which are interested. The requester can find services quickly from the website of book store through the system. The contributions of the paper are (1) combine web services and intelligent agent society; (2) since the agent's assistance, register center deal with most process automatically; (3) provide and register services had became easily; (4) service requester can establish the connection with the service provider directly after obtain the WSDL file from register center.

Keywords: Web Services, Agent, agent society, WSDL

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References

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1. The text is a collection of references and citations, likely from a research paper or a set of notes, covering various topics related to web services, XML, and agent-based systems. The references include books, journal articles, conference papers, and technical reports. Each reference is numbered and includes the title of the work, the authors, and publication details.

2. For example, reference 1 is titled "UDDI, Internet Computing IEEE, Vol. 6, No. 2, pp. 86-93, Mar/Apr 2002.


4. The format is consistent throughout, with each reference providing a clear and concise citation.

5. The text is structured in a way that allows for easy reference retrieval and readability, making it suitable for academic or professional use.

6. Overall, the document appears to be a comprehensive guide to web services and related technologies, with a focus on XML, SOAP, and UDDI, as well as agent-based systems and scientific computing.

7. The references are well-organized, with a clear identification of the source and publication details, making it easy to locate and reference specific works within the text.