

Multi-Clouds Framework for Enterprise Application Integration with Intelligent Agents

王素華, 陳登傑

Information Management

Computer Science and Informatics

swang@mi.chu.edu.tw

Abstract

Enterprise Application Integration is a new business solution by combining the existing applications. Most enterprises consider data integration is the first and most critical step of integrating information systems within the organization. This research proposes a multi-cloud framework that integrates the enterprise data of various sources through a message brokering mechanism. The major objective of this framework is to provide remote database access and data consistency among enterprise applications through the messaging mechanism base on enterprise data. To analyze the feasibility of the multi-clouds framework for integrating enterprise data, we implemented the proposed architecture and evaluated with simulation data. The simulation results present the completeness and correctness of the data integration process. Through this proposed framework, the enterprise information can integrate in a more efficient and effective way.

Keyword : Cloud Computing, Enterprise Application Integration, Data Consistency, Intelligent Agent