

以web service為基礎的行動協同商務之研究

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ABSTRACT

The more mobile workers in an enterprise, the more demand for wireless information access and mobility. However, the current enterprise information systems were not designed to support the information access characteristics of mobile users and the information presentation requirements in mobile devices. Therefore, they are unable to satisfy the needs of mobile users. So, how to integrate the wireless technology, mobile devices, and enterprise information systems to support the communication, coordination, collaboration, and decision-making of mobile users on the move is current electronic enterprise 's imperative challenge. Fortunately, the emergence of Web Service comes to rescue. This research applies the openness and modulation of Web Service and encapsulates collaborative mobile objects into Web Services to create a collaborative mobile commerce framework. This framework supports message notification, instant message, job delegation, and work coordination. Furthermore, this research takes advantage of Peer-to-Peer computing model to reduce the workload of enterprise servers and to enhance the efficiency and effectiveness of mobile co-workers. The framework proposed in this research not only offer a flexible and dynamic application development environment, it also provides mechanisms to integrate it with existing information systems. Thus, the proposed framework allows an enterprise to gain competitive advantage by enhancing the intra-/extra- communication of enterprise information and by reducing the application development life cycle.

Keywords : Web Service ; mobile device ; P2P computing ;mobile commerce

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