

# 기업정보관리를 지원하는 무선 ASP 시스템의 아키텍처와 설계에 관한 연구

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## A Study on the Architecture and Design of Wireless Application Service Provider System for supporting the Management of Enterprise Information

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### 요 약

Companies should investigate how easily they can extend these applications and completely they can consolidate their company's data considering scalability, availability, and security. Powered by Application Service Provider (ASP), companies expects e-business and the enterprise information integration for integrating legacy system and mission-critical, business application on the web. ASP can automate critical business processes such as procurement and financial services, Customer Relationship Management (CRM), Supply Chain Management (SCM), logistics and B2B e-commerce.

This paper proposes a wASP (Wireless Application Service Provider) architecture and design issues to effectively manage e-business and enterprise information without considering Information Technology (IT) challenge, with a low cost and the highest value. To efficient interoperability of business applications on the Web with existing c/s and legacy system, PalmOffice System (developing wASP System) adopts a web-optimized development methodology object-oriented software development process. It supports a broad and coherent coverage of object-oriented technology, including object-oriented modeling using the Unified Modeling Language (UML), object-oriented design using Design Patterns, and object-oriented programming using Java on the Java 2 platform. We use the XML to interchange electronic data, integrating and transforming data from multiple sources on the Web. For the presentation and delivery of wireless information and telephony services on mobile phones and other wireless terminals across heterogeneous wireless networks, we adopts a industry standard Wireless Application Protocol (WAP) which enables public content, corporate intranet and advanced data services to wireless phones and other wireless terminals.

The remainder of this paper is organized as follows. In chapter 2, previous work related to the paper, that is the overview of wASP, development methodology, web technology and tools is described. The architecture, functions, and approaches of the wASP is described in chapter 3. The Design of wASP considering enterprise information, business process, organization is introduced in chapter 4. In chapter 5, we conclude the paper and suggest future research directions.