Abstract

The Wireless and mobile devices, and their applications often run on different platforms, which can make integration problematic. Enterprise-service-bus (ESB) approach and service-orchestration platforms through mobile agents might offer good solutions. However, the centralized ESB introduces serious limitations and the federated ESB architectural pattern
conquers those limitations by partitioning the infrastructure into separate ESBs. Security is one of the greatest concerns, especially when integrating cross-organizational applications. When the technology changes the adaptability of mobile devices, network services and service providers, it is vital to design an integrated architecture for mobile web services. This paper proposes an architecture that provides multi-level security for integrated financial mobile web services using federated ESBs. This architecture enables service integration, network integration and supports access to financial services from any mobile devices using any mobile technologies.

Reference


**Index Terms**

Computer Science  
Security

**Key words**

Federated ESB  
Mobile Web Services  
Multi-level Security  
Financial services