DoJa: Service oriented application platform for mobile phones using Java

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Abstract. DoJa is a major application platform that is designed for mobile e-services that will run on DoCoMo's mobile phones and its wireless network. It ensures that our users can easily receive advanced services on their palm. Since DoJa services started in 2001, the number of users has exceeded 17 million, service-oriented functions have been added to DoJa, and the number of DoJa applications now exceeds 7000. This paper mainly describes the two key features of DoJa that are specific to mobile phones and wireless networks. One is a framework for applications that will be held on a mobile phone and that behave like an agent. The other is a new object that protects the user's privacy. We elucidate the problems and mechanism needed to realize these features in a mobile phone. Their usefulness is confirmed by experiments.