

基于 REST 架构的小额支付平台研究

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摘 要: 针对现阶段小额支付平台终端繁杂异构的问题, 提出了一种基于 REST 架构风格的小额支付系统平台, 其将小额支付过程以及相关数据抽象为资源, 以 HTTP 作为通信协议, 通过 RESTful Web 服务方式连接移动客户端与 Web 服务端. 设计了小额支付平台的架构, 定义了小额支付平台 RESTful Web 服务的具体方法和规则, 并且实现了小额支付原型系统. 实验结果表明, 相较于传统的基于 SOAP 协议的大 Web 服务方式, 基于 REST 架构风格的小额支付平台具有明显的优势.

关键词: 小额支付; REST 架构; Web 服务; SOAP

Research on Micro Payment Platform Based on REST Architecture

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Abstract: Aiming at the terminal complex heterogeneous problems of payment platform, a kind of REST architecture based on the micro payment system platform is proposed. The micro payment process and related data are described as resources. HTTP is used for the communication protocol. Mobile client and the Web server communicates with RESTful Web service. The architecture of the micro payment platform was designed, and the specific methods and rules of the micro payment platform RESTful Web service are defined. The experimental results show that compared with the traditional Web based SOAP services, micro payment platform based on the REST architecture has obvious advantages.

Key words: micro payment; REST architecture; Web Service; SOAP

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