Abstract

Cloud based instant messaging system for Android smartphone with help of internet is specially design for the people to communicate with their families, friends, colleagues. In any organization employees can send and receive messages virtually without face to face contacting; meanwhile the employees can share data and information through instant messaging application. What’s more, the staff can talk to customers or vendors online as well, in other word, now people can do business through the instant messenger direct rather than use the traditional method like make phone calls. The use of instant messaging nowadays is more than the calling function itself. This paper puts forward the design method of instant messaging system based on SOAP and cloud computing technology for Android Smartphone. SOAP interface is an application programming interface of TCP/IP network. Cloud platform is a platform where Cloud Application runs, it is an online application, which works over internet. Cloud Platform has been constructed of three layers: ”SaaS”, ”PaaS” and ”Iaas”. In this research work, cloud platform is used for deploying database of instant messaging application.
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Index Terms

Computer Science  Distributed Systems

Keywords

Android; cloud platform; Eclipse Juno; Cloud computing; java system