Abstract

Web service can be built using two disparate ways: Standard SOAP based Web Services and Restful Web service. Paper focuses on developing both Web Services with different parameters. We use SOAP, REST API + Jersey API for implementing XML based and RESTful Web Services respectively. We have conducted different experiments on both and tested on Apache Tomcat server, Android Emulators well as on Cloud server Google App Engine. Result of experiment shows RESTful web services are better in performance than SOAP Web Services.

**Index Terms**

Computer Science  
Mobile Computing
Performance Analysis of SOAP and RESTful Mobile Web Services in Cloud Environment

Keywords
Soap  Restful  Web Services  Soap  Json  Xml  Mobile Computing  Cloud Computing