Abstract

Current huge commercial web applications are developed using integration of many heterogeneous web applications. Service-Oriented Architecture is one of the widely accepted methodologies in IT industry. SOA applications are realized using Web services. Web Services have become an emerging technology to design and development of complex web applications. But when Web services are used, performance of application decreases. This paper addresses
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this issue and discusses the reasons why performance decreases. Objectives of this paper is to discuss key performance issues that characterize Web Services-based applications, and to begin to explore the possibilities for performance monitoring of such advanced and complicated distributed applications. After performing many experiments the correct approach to be adopted for designing efficient XML Web services is suggested.

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Index Terms

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**Key words**

- Problems of XML
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- SOA
- XML web services