Classification of Typical Performance Problems in Enterprise Applications

Description

Particularly for business-critical enterprise applications (e.g., based on Java EE technology), performance is a major quality-of-service property. Performance problems manifest themselves, for instance, in increased response times or resource utilization, as well as decreased transaction rates. The goal of this seminar topic is to provide a survey of typical performance problems in enterprise applications, including a description of symptoms, root causes, and possible methods to detect them based on runtime monitoring. As a practical part, it is desirable to inject a subset of the described problems into an existing (example) enterprise application to be used for performance evaluation, e.g., a standard benchmark for enterprise technologies. The provided references are to be considered a starting point and it is expected to extend the literature search and present a coherent view on the current state of the art in this area.

References


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