Workload Models in Standard Enterprise Performance Benchmarks

Description
A number of industry standard benchmarks for enterprise technologies are available, e.g., for Java EE servers. They are developed and maintained by benchmarking organizations such as SPEC or TPC. Example benchmarks include SPECjEnterprise, SERT, and TPC-W. Being designed as macro-benchmarks, they serve to compare the performance of products from different vendors using real-world scenarios. System performance is considerably influenced by the workload the system is exposed to. The goal of this seminar paper is to provide an overview about the workload models and generators used in selected enterprise benchmarks. As a practical part of this topic, it is expected that the student conducts experiments with selected benchmarks. 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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