

Perbandingan kinerja pendekatan virtualisasi

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Abstrak

Kajian terhadap beberapa pendekatan virtualisasi telah dilakukan dan dilaporkan dalam paper ini. Pendekatan virtualisasi yang dikaji adalah full virtualization, hardware-assisted virtualization, paravirtualization, dan operating system-level virtualization. Evaluasi dilakukan melalui pengukuran kinerja masing-masing pendekatan dengan beban kerja tertentu saat dijalankan menggunakan virtualisasi dan saat virtualisasi tidak digunakan.

Hasil eksperimen menunjukkan bahwa operating system-level virtualization lebih efisien dalam hal penggunaan sumber daya komputer dibanding pendekatan lainnya. Hasil evaluasi menunjukkan bahwa pendekatan virtualisasi seharusnya ikut menjadi pertimbangan dalam memilih solusi virtualisasi.

<hr><i>Study of some of the virtualization approach has been carried out and reported in this paper. Virtualization approaches that were examined are full virtualization, hardware-assisted virtualization, paravirtualization, and operating system-level virtualization. Evaluation is done by measuring the performance of each approach with a particular work load when run using virtualization and virtualization when not in use.

The experimental results show that the operating system-level virtualization is more efficient in the use of computer resources than other approaches. Evaluation results show that the virtualization approach should help to be a consideration in choosing a virtualization solution.</i>