

## Benchmarking of CPU servers

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The recent generation of Intel XEON CPUs comes with support for symmetric multi processing, formally known as hyperthreading. In addition, a new CPU feature has been added, the Intel Turbo mode. The influence of these features on the system performance has been tested using the HEPSPC06 benchmark suite, with enhanced statistics, and a study of the scaling behaviour has been done. The results of these tests are presented, and consequences for certain applications as well as for procurement procedures themselves are discussed.

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