Abstract

With the fastest escalating development of large data storage and high performance computational demands raise the necessity of Green Cloud Computing. The green cloud computing has produced lots of solutions that can not only make the cloud resources energy efficient but also minimize the cost during operations. It refers to the learning of techniques and practices to make the efficient use of computing resources in an economical and effectual way.
To measure the performance of green cloud computing has led the requirement of performance metrics in the form of benchmarking. In this article, a survey is presented on the key research challenges for assimilation of benchmarking techniques in the area of green cloud computing. To measure the performance, taxonomy of benchmarks is also represented.

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