Optimization of Performance and Energy- Efficiency in Cloud Computing
project title
University of Luxemburg
host institution

Project description:

Greencloud (http://greencloud.gforge.uni.lu/) is a sophisticated packet-level simulator for energy-aware cloud computing data centers with a focus on cloud communications. It offers a detailed fine-grained modeling of the energy consumed by the data center IT equipment, such as computing servers, network switches, and communication links.

Tasks:
- contribute to the scientific research efforts in developing novel energy-efficient techniques for cloud computing environments
- develop models and simulation tools
- participate in writing of scientific articles that will be presented in international conferences and published in major scientific journals.