Abstract

This paper discusses the energy consumption problem of 4G network devices that use a much higher energy compared to the 3G network for example, due to heavy applications that require multiple resources. To overcome this problem, a combination was proposed between network monitoring in 4G, which is based on SNMP protocol for sorting equipment available in the network and use them in an IaaS cloud computing. This combination permits having a minimized time activity of a process and therefore reduces the energy consumed by a client for asked service.
Process Optimization Time for a Service in 4G Network by SNMP Monitoring and IaaS Cloud Computing

- Nicolas Grevet. 2009. Le cloudcomputing: évolution ou révolution? Pourquoi, quand, comment et surtout faut-il prendre le risque?
- François Tonic. 2009. Stratégie et révolution de l’infrastructure informatique, de la manière de concevoir les applications et leur consommation dans le nuage sous forme de services.

Index Terms

Computer Science

Cloud Computing
Keywords
Cloud computing  IaaS  4G  3G  monitoring  SNMP  energy  Service resources
OoS