Abstract

Cloud computing gives an enormous service to the customer in order to reduce the cost of investment on infrastructure development. The CSU (Cloud service User) can get all services from CSP (Cloud Service Provider) for satisfying their business needs. There are huge number of services are offered by the CSP for satisfying the customer’s request. The performance of the cloud computing depends on various factors which provides the reliability over internet to the customer. One of the main factor need to be concentrates on reliability is network traffic because the service delay makes the customer dissatisfaction. The CSP may provide uneven traffic rate to CSU in order to manage the peak demand of their request. The fluctuation in the traffic may lead to the problem in retaining the customer i.e., the customer may feel difficult to access the service. This problem can be overcome by using the common deployment framework which gives the smooth traffic to the customer. The proposed work fully based on the traffic analyze and shaping the cloud services whenever the uneven traffic condition occurs. The traffic shaping has many features especially it is to handle the traffic rate. Cloud Analyst simulator can be used to analyze the cloud traffic with various parameters. The efficiency may be improved by introducing some new techniques on cloud service are the further work.
Traffic Analysis and Shaping of the Cloud Services over Common Deployment Model using Cloud Analyst

- Sean Marston, Zhi Li, Subhajyoti Bandyopadhyay, Juheng Zhang, Anand Ghalsasi
  "Cloud computing – The business perspective”, page no 176-189.
- Michele Mazzuccoa, Dmytro Dyachuk, "Optimizing Cloud providers revenues via energy efficient server allocation”, Institute of Computer Science, University of Tartu, Liivi 2, 50409 Tartu, Estonia page no 1-12.
- Xun Xu, "From cloud computing to cloud manufacturing”, page no 75 – 86
- Tzu-Chi Huang, "Universal connection architecture for interactive applications to achieve distributed computing”, page 232-251
- Gang Chen, Yongwei Wun, Jia Liu, Guangwen Yang, Weimin Zheng, "Optimization of sub-query processing in distributed data integration systems”, page 1035-1042
- Tzu-Chi Huang, "Program Ultra-Dispatcher for launching applications in a customization manner on cloud computing”, page 423-446
- Shun-Sheng Wang, Kuo-Qin Yan *, Shu-Ching Wang **, "Achieving efficient agreement within a dual-failure cloud-computing environment”, page 906-915
- Baomin Xu, Chunyan Zhao, Enzhao Hua, Bin Hu, "Job scheduling algorithm based on Berger model in a cloud environment”, page 419-425
- Rizwan Miana, *, Patrick Martina, Jose Luis Vazquez poletti, "Provisioning data analytic workloads in a cloud environment”, page 1-19


- John Harauz et al., 2009, "Data security in the world of cloud computing”, IEEE Computer and Reliability Societies, pp. 61-64

**Index Terms**

Computer Science
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Cloud Computing  Interoperability  Cloud Analyst  Cloud Service