Abstract

To improve the performance of video on demand servers there is need of selecting an appropriate load balancing technique so requests can be distributed in optimized manner. To meet the growth of web traffic the concept of load balancer was introduced. The role of load balancer is to distribute the tasks among the web servers efficiently. In this paper system compared algorithms used for distributing the loads are: FCFS, Genetic, and two space GA algorithms. Performance of algorithms is calculated on the basis of makespan and average resource utilization. Two-Space Genetic Algorithm is proved better over other server selection techniques. Two-Space Genetic Algorithm gave lower makespan and higher resource utilization.

References

- N. Panigrahi and B. Sahoo. may 08 2011 Qos Based Retrieval Strategy for Video on Demand. Available online at http://dspace.nitrkl.ac


**Index Terms**

Computer Science

Algorithms

**Keywords**

Video-on-demand Server  Make span  CPU-Utilization  Fitness Function  

FCFS

Genetic Algorithm

Two-Space-Genetic Algorithm