Abstract

Load Balancing is one of the most important issues for clustered servers. Load Balancing is done on the basis of server traffic. The proposed algorithm uses user-session history as the other constraint which is very useful for resource management over the server and easy access for the client. Collection of the data of a particular client from the last user-session, groups the applications that are likely to be opened in a specific time frame. This will provide easy access to the client and will reduce resource wastage on the server by using cluster technology. The primary clusters will be based on the bandwidth of the client’s internet bandwidth, which will map to different servers. Whereas secondary clusters will be based on the similarity of application-usage in the past user-session. This approach can reduce the unnecessary searching time. Cluster management will provide better approachability towards the server also the bandwidth based load balancing will lead to the minimum bandwidth wastage.

References
1. Design and implementation of Server-Cluster dynamic load balancing based on Open-Flow. Zhihao Shang, Wenbo Chen, Qiang Ma, Bin Wu. Lanzhou University Communication Network Center Lanzhou, China


3. An improved Single-Pass clustering algorithm internet-oriented network topic detection. Yi Xiaolin; Coll. of Comput. Sci., Beijing Univ. of Technol., Beijing, China; Zhao Xiao; Ke Nan; Zhao Fengchao


5. Determining the time window threshold to identify user sessions of stakeholders of a commercial bank portal. Jozef Kapusta1, Michal Munk1, Peter Svec1* and Anna Pikova2 Constantine the Philosopher University in Nitra, Nitra, Slovakia; 2Comenius University in Bratislava, Bratislava, Slovakia.


Index Terms

Computer Science
Networks

Keywords