Abstract

Rapid growth of web application has increased the researcher’s interests in this era. All over the world has surrounded by the computer network. There is a very useful application called web application used for the communication and data transfer. An application that is accessed via a web browser over a network is called the web application. Web caching is a well-known strategy for improving the performance of Web based system by keeping Web objects that are likely to be used in the near future in location closer to user. The Web caching mechanisms are implemented at three levels: client level, proxy level and original server level. Significantly, proxy servers play the key roles between users and web sites in lessening of the response time of user requests and saving of network bandwidth. Therefore, for achieving better response time, an efficient caching approach should be built in a proxy server. This paper uses FP growth, weighted rule mining concept and Markov model for fast and frequent web pre-fetching in order to has improved the hit ratio of the web page and expedites users visiting speed.
A Weighted Markov Model for Web Pre-fetching to Improve User Interface over Internet

- Lefteris Moussiades, Athena Vakali, “Mining the Community Structure of a Web Site”; bci Fourth Balkan Conference in Informatics 2009, pp. 239-244.
- A. B. M. Rezbaul Islam and Tae-Sun Chung, “An Improved Frequent Pattern Tree Based Association Rule Mining Technique”; IEEE 2011.

- Nikhil Kumar Singh, Deepak Singh Tomar, Bhola Nath Roy, &quot;An approach to understand the end user behavior through log analysis&quot; International Journal of Computer Applications (0975 – 8887), August 2010.
- Bhupesh Gour, Asif Ullah Khan, Priyank Jain &quot;Privacy Preserving data mining by new two phase SVD matrix factorization model&quot; in IJCSEITR, 2013

Index Terms

Computer Science Information Science

Keywords

Web Services Pre-fetching Log file