

Multi-thread Two-way Caching Proxy

Team Member:

Yidan Sun

Chenyuan Wei

Yuchen Zhang

Yuankai Zhu

Proposal

We plan to build an HTTP proxy server that can forward requests from client to server. Our proxy will support GET, POST, and CONNECT requests and cache responses for GET requests by following the rules of expiration time and re-validation. And we will try to use different ways of caching, such as LRU and LFU, and compare their performance. We plan to take use of multiple threads to handle multiple concurrent requests effectively. And we will provide a log file containing information about each request.