

Abstract

P2P file sharing is one of file sharing technologies beside client server that has been well known. But to use P2P file sharing application, user must have P2P software so it can connect to P2P network. If user do not have P2P software, then it can not access file sharing. This final project has developed P2P file sharing application through web server to make user who don't have P2P agent can also searching and download file. This application used centralized P2P method for P2P network and centralized index repositories for file searching, also HTTP protocol for file downloading. From testing result, throughput average of P2P protocol is better than throughput HTTP.

Keywords: *P2P, file sharing, file searching, file downloading, web server.*