Abstract

The changes of speed and frequency of web documents increase quickly enough, provide a challenge for search engines to continually provide the latest results. One proposed solution is using mobile agent to search the web page, spread or distributed in realtime. Search performed directly when the user want to find a query against all available file, so produce output in accordance with the condition of the field, although must sacrifice more longer time than the process of searching that using the index file.

Mobile agents are programs that can be delegated a task, as well as on its execution can be moved from one place to another. The use of mobile agent for distributed information search cases has several advantages. By migrating to a source of information, the agent can perform operations on the resource locally and eliminate the continuous data transfer through the network.

In this final project about how to aplly mobile agent in distributed web search page. And conducted an analysis of the response time and data transfer using mobile agents and static agents for distributed web search page.

From the experimental results of mobile agent and static agent with full parallel architectures, one agent for one host, the use of mobile agent to search the web case is not better in terms of response time and the amount of data transfer than static agent.

Keywords: searching, *agent, static agent,* distribution search