Mobile agents are active objects that can autonomously migrate in a network to perform tasks on behalf of their owners. Current web crawler uses the concept of Mobile Agent to enhance their crawling speed. In mobile crawling, mobile agents are dispatched to remote web servers for local crawling and processing of web documents. After crawling a specific web server, they dispatch themselves either back at the search engine machine, or at the next web server for further crawling. It gives a complete distributed crawling strategy by utilizing the mobile agent's technology but it suffers with the problem of security. In this paper, a security solution has been proposed, which protects both the mobile agent itself and the host resources that encrypt the data before passing it to mobile agent and decrypt it on the visited host sides. The method of "computing with encryption function" has been used. The proposed approach solves the problem of malicious host that can harm mobile agent or the information it contain.
Reference


Index Terms

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Key words

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