Abstract

The paper describes the process involving distributed data access from a mobile device, employing mobile agents. To answer any query in the distributed environment, the search is conducted to answer the query only in the databases, which are known to the systems. The transfer of database to the system, where the query is originated will involve high
Multi-Agent System for Distributed Data Retrieval using PQR Approach

communication cost, response time and increase the network traffic. In order to reduce the values of these parameters and incidentally the network traffic, mobile agents are used to fetch the result from various sites. A mobile agent is a software program that migrates from one node to another where the data is located instead of transmitting data across the network. This paper presents a study of deployment of Multi-agent system for retrieval of data and also the management of distributed resources. Experiments conducted reveal the performance of Mobile agents, using Parallel Query Retrieval (PQR) approach.

Reference

- W. Theilmann, K. Rothermel, Optimizing the dissemination of mobile agents for

Index Terms

Computer Science
Mobile Computing
**Key words**

| Mobile Agent | Data Retrieval | JADE |