An Approach to Query Processing in Homogenously Distributed Spatial Databases

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 140
Number 9

Year of Publication: 2016

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10.5120/ijca2016909431
{bibtex}2016909431.bib{/bibtex}

Abstract

Query processing in distributed environment is basic need of many organizations in order to process huge amount of data in less amount of time. There are many approaches provided for parallel query processing in distributed environment. This paper presents the approach which does the parallel query processing in 4 steps. Firstly query fragmentation is done by using SQL parsing, then query redirection to the specified servers containing remotely distributed databases, then query execution take place at both the servers and at last result of both part of query transferred to Local server where it get accumulated. Then result gets displayed on Geoserver. Different fragmentation techniques are also discussed in order to store fragmented data on distributed sites.

References

1. Stefano Ceri, Giuseppe Pelagatti, “Levels of Distributed Transparency, Distributed Database Design,, Translation of Global Query to Fragment Query,” in Distributed Databases:
Index Terms

Computer Science  Databases

Keywords

Database Fragmentation, Query Execution, Query Fragmentation and Query Redirection.