Abstract

A Vertical Partitioning is the process of dividing the attributes of a relation. Further, a good Vertical Partitioning puts frequently accessed attributes of the relation together in a fragment. Various researchers have proposed different algorithms for Vertical Partitioning. Still, there is a scope of improvement in previous algorithms for Vertical Partitioning. In this paper a new algorithm is proposed for Vertical Partitioning in Distributed Database System. The proposed algorithm is named as Slop Based Partitioning Algorithm (SBPA). This algorithm utilizes the Clustered Affinity Matrix (CAM), which is calculated from Attribute Usage Matrix (AUM) and Frequency Matrix (FM).

References

Slop based Partitioning for Vertical Fragmentation in Distributed Database System

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Index Terms

Computer Science

Databases

Keywords

Vertical Partitioning  Clustered Affinity Matrix  Attribute Usage Matrix  Frequency
Matrix
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