Abstract

One of insuffiency of transaction query which is using a huge database and distributed, is the operation time. The primary factor that cause this transaction operation time taking so many times is the cost for read and the cost for delivery. Actually in fact, this cost for read and delivery can be more minimalise if we can doing query optimization first. This query optimization self is a method which we can used to predict the cost by trying some immeasurable and different method in cost based and ruled based. This query optimization is need an information from data catalogue which later will be used as the first information to predict the cost. Beside that, there is another factors that can influence the prediction cost in distributed database. That factors are the type of operation which concerned in the query, the delivery method, the measure of relation, the measure of attribute, the existence of index, index clustering, reduction factor and the catalog accuration.

Keywords : Database , Query Optimization, Query, Catalog, Reduction Factor, Index