Abstract

Management information and data are important components to support business process at a company. Depository of information and data usually use a reliable Database Management of System (DBMS) especially at a speed of obtaining data (data retrivery) and ability recovering data (data recovery). Choosing of DBMS is depend on user's requirement. User usually use DBMS with open source character (Mysql) on data with small size, otherwise on data with large size usually use DBMS commercil (Oracle, MS-SQL, Paradox).

Human Resource Departemen (HRD) is a division which managing and presenting employee information at PT INTI . This division get the information by doing data distribution from Oracle into MySQL. However this distribution conducted semi automatically and unschedule, so that the information is represented inaccurate and data integrity can not be keep. To solve this problem, it needs a system to conduct data distribution schedulely and can be integrated automatically.

In this final assignment will be made a software by using waterfall method. For synchronization data, software use asynchronous replication pull broadcast method on schedully. Scheduling of data distribution conducted with first in first out (FIFO) mechanism. This software is expected to make data distribution system on SDM division optimally.

Keywords: *waterfall method, asynchronous replication-pull broadcast, FIFO*.