ABSTRACT

DEVELOPING DISTRIBUTED DATABASE REPLICATION ON INTER-BRANCH SAVING AND LOAN TRANSACTIONS AT RAHASTRA CREDIT UNION

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Data distribution in Rahastra CU environment is small, whereas today Rahastra CU has own 3 branches office with more than 3000 members. it is caused by disintegration inter-branch database from all branches. So, data distributed process is very difficult to be done.

To solve those problems, Database distributed system will be applied. With this system, Database form all branches office will be saved in central Database. Then the data that saved in branch Databases and central Database will be synchronized periodical. This synchronization uses asynchronous replication. With this method allows that the branch Database and central Database not to be connected. Even when one of them crashed the transaction still be done.

With distributed database system, data integration from all branches can be done. The result is easy way to distribute data both from or to central office database.

Keywords : Information system, Sikopdit, distributed Database, replication, synchronized