

SUMMARY

Business intelligence is a process that allows decision making in different business areas, this integration allows converting data into valuable information in order that the end user is able to identify opportunities and threats for the company through reports generated; for successful implementation requires historical data or data derived from different data sources, consolidated, organized and classified form a datamart and meeting several of these make up a datawarehouse, which is a separate database for querying and analyzing information quickly and reliably to the user. Currently there are many software solutions that enable business intelligence whether free software or proprietary software, the decision to choose one of these solutions lies with the personnel department of information technology along with its development team, they must consider some factors in implementing a Business Intelligence solution as they are: the resources available to the company, the predisposition of high command in supporting the project, cooperation of all staff that makes up the organization and availability of information required to be analyzed. The implementation of a prototype datamart for information analysis did in order to demonstrate that the use of free software tools today is booming in small and medium enterprises, the prototype comply with different stages were performed with the various tools offered by Pentaho Suite, datamart information is stored in a PostgreSQL database which is also free software.