

## **ABSTRACT**

Text of the work: 58 pages, 4 figures, 6 tables.

This thesis is devoted to the study of modern DBMS-support for data warehousing. The subject of the research are modern DBMS, their functionality and capabilities to support data warehousing.

The aim is to research database on the market, which support for data warehousing, comparative analysis and develop recommendations for the choice of DBMS for data warehousing.

Research methods are comparative analysis, simulation and testing functions.

Research results - the structure and functions necessary to support modern DBMS data storage were investigated, the criteria on the basis of which the comparative analysis can be conducted were identified, the advantages of functions for database storage mode were tested. Based on these studies, the recommendations for the choice of database storage were developed.

The areas of use are records management, data analysis, telecommunications, insurance, banking, retailing, geography.

Actuality: Nowadays many organizations have accumulated significant amounts of data on which it is possible to meet the diverse analytical and managerial tasks. Problems of storage and processing of analytical information are becoming more relevant and attract the attention of specialists and companies working in the field of information technologies. The underlying concept of data warehousing is an important idea of integrating previously disconnected specification the data contained in historical archives, collected in traditional transaction processing systems, from external sources, in a single database, their preliminary approval and possibly aggregation. With the help of storage can hold a convenient means of visualizing the data, conduct extensive research data. These studies include: the search for relationships between the data and identification of sustainable business groups predicting the behavior of business metrics, assessment of impact of decisions on the business of the company; search for anomalies and trends.