

The theme of the final qualifying work: «Organization of protection of the automated system and database security under the control of Oracle (for example, LLC "Inversion-Caucasus", Pyatigorsk)»

Author of the FQW: Petrushova Margarita Alekseevna

Scientific supervisor: Dr. tech. Department of information and communication technologies, mathematics and information security A. M. Makarov

Information about the organization-customer: LLC "Inversion-Caucasus" Pyatigorsk

The relevance of the work on the organization of protection of the automated system and database security is due to the significant increase in the number of threats to information security of distributed databases.

Purpose: the organization of protection of the automated system and database security

Tasks:

- to characterize the company "Inversiya-Caucasus", its organizational structure, communication departments, hardware and software;
- analyze the used means, methods and systems of information protection in LLC " Inversion-Caucasus»;
- identify the shortcomings and threats to the security of the automated system and databases in the company "Inversion-Caucasus»;
- to designate the basic directions of improving the protection of databases in the company "Inversion Caucasus»;
- to choose the means to improve the protection of automated systems and databases.

Theoretical and practical significance of the study. The theoretical and practical significance of the study lies in the description of modern security solutions on the example of the company "Inversion-Caucasus". The concept of database security can be widely used in the corporate segment.

Results of the research: the creation of a complete solution to the protection of databases in OOO «Inversion Caucasus».

Recommendations:

1. To ensure efficient, reliable and secure data management, create a distributed database managed by Oracle Database 11g .
2. Migrate user solutions from an existing SQL Server system to Oracle.