

Annotation

This graduation project is dedicated to the topic of introducing and deploying cybersecurity infrastructure in the educational process. The goal of the project was to create a customizable, lightweight and extensible environment for gaining practical skills in the field of network security in general and about firewalls in particular.

To accomplish this task, an analysis of current solutions in the field of network security was carried out, the components of the infra structure and available resources necessary for the functioning of the firewall were studied. In the course of work on the project, new theoretical experience was obtained, subsequently fixed by practical application.