

## **ABSTRACT**

Theme: "Analytical estimations of security level of distributed and scalable computer systems".

Diploma work: 67 p., 8 fig., 3 tabl., 1 appendixes, 20 references.

**DISTRIBUTED AND SCALABLE COMPUTER SYSTEM, ESTIMATION OF THE LEVEL OF SECURITY, LOCAL AND EXTERNAL THREAT, SECURITY MONITORING SYSTEMS, VULNERABILITY SCANNERS, PORTS, IP ADDRESSES.**

The purpose of the work is to analyze existing approaches to assessing the level of security of computer systems and to derive their own security assessments. Also, the work is devoted to the analysis of various software products, through which you can find and assess the risks of computer system vulnerabilities.

The paper gives an overview of some software tools that can provide information on vulnerabilities and their use on a particular computer system to evaluate its security. The following software tools are used: a Computer system for Windows 8.1, SuperScan network scanner, Nessus Vulnerability Scanner software for defect detection in computer systems.