

## Abstract

The amount of the explanatory note is 50 pages, 3 illustrations, 2 tables and 37 sources for references.

The purpose of this work is to analyze DDoS attacks detection and protection methods in SDN networks

Task:

- Analysis of the construction of SDN networks;
- Analysis of the impact and methods of protection against DoS attacks in SDN networks;
- Analysis of a transparent intrusion detection system (TIDS);

It was published thesis "Detecting DoS attacks in SDN networks using Shannon entropy" conference issues of telecommunications in 2020.

Novelty: in the course of the work the existing mechanisms and technologies of protection of SDN data transmission networks from DDoS attacks were analyzed and the most effective and scalable method was identified - a transparent intrusion detection system (TIDS).

Structure of work: The work consists of an abstract, table of contents, list of abbreviations, introduction, three sections, conclusions to each section, general conclusion and a list of sources used.

Keywords: SDN, DDoS , protection against attacks.