

Abstract

Network monitoring is a part of the targeted impact on the network, which is carried out according to some predetermined program in order to timely detect faults and errors in it with a quick response to them.

In the thesis project, the area of application of network monitoring, in particular, according to the Netflow protocol, the classification of this network protocol, the structure of the work, is considered in detail. Particular attention is paid to the brand of network equipment Mikrotik: the history of emergence, competitiveness in the market, the possibility of routers. In the practical part of this work, the network equipment is configured, the server is a collector for collecting data from the router and a review of the program is made, which helps network engineers to quickly find among the collected data that are needed at the moment. The following chapters consider the economic efficiency of the implementation of this information system, as well as the calculation of the aspiration system with the subsequent choice of an air conditioner in the room, from which system administrators actually monitor the network infrastructure.