ANNOTATION

The modern corporate network includes geographically distributed nodes. To combine them into a single network, we need technologies that transmit traffic in a secure mode. The concept of creating virtual private networks (VPNs) is being actively developed to ensure effective and secure use of network attacks in open networks.

The graduate project considers various technologies, construction concepts and protocols of VPN technologies. It contains an example of building a corporate network using the VPN, as well as configuring hardware.

The object of the study is remote access to the enterprise's network.

The goal is to develop a remote access tool to the corporate network to increase information protection through VPN technologies.

The research methods are theoretical analysis of the measures proposed by all global software and information security equipment manufacturers, practical modeling in the laboratory of the proposed set of measures and imitation of hacker attacks to verify their effectiveness.

The result is that corporate network protection technologies have been analyzed, the company's network has been designed, implemented, tested, and secured.