

Development of computer networks along with the growth of information technology connects geographically remote places. Considerable cost of building and operating the network infrastructure is entailed. This issue can be solved by leasing of data lines, or using Internet as an existing network infrastructure. Not to forget to mention a technology called Virtual Private Network (VPN) to create a minimal financial cost computer network over a shared infrastructure. This paper deals with the principle of operation of virtual private networks, various possibilities of their implementation with consequent impact on the performance of the system environment and the communication speed. First of all everything is first examined in theory and then subsequently validated on specific reports on MS Windows platform.