ABSTRACT

The research focuses on analyzing the performance of the data transfer process between client and server devices. How does the client access, control and remotely control files on the server, as well as how the process of sending and receiving large data files with a fairly high level of security. The purpose of this study is to measure and monitor data files that are on the server safely, access data from the client to the server device remotely, measure and monitor data files that are on the server safely, compare with other methods. Access control or access files data securely requires SSH (Secure Shell) to lock the security of the server so that it is not easily infiltrated by cyber crime. In the planning stage, the author prepares several devices that will be needed during the observation and makes server access configurations using the password encryption method. Next, is the implementation stage of logging in to the PuTTY account as an intermediary medium to access the administrator account into the server. At the testing stage, measuring the results of the data on the server, in the form of network connections between devices and even file transfer connections and implementing remote servers from the client to the server. At the testing or measurement stage requires software to measure the parameters that have been used, namely Wireshark. After the measurement has been completed the authors compare file or data access without using SSH, namely by using Telnet.

Keyword : SSH,putty,Telnet