

Research and deployment of IPCop firewall software

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Abstract: This topic aims to research and deploy the IPCop firewall software to ensure network security for computer systems. The reason for choosing this topic is based on the current reality of increasing information security needs. The objective of the topic is to build an effective firewall system with the ability to control access and prevent network attacks. The research method includes analyzing the theory of firewall types and deploying the IPCop application in a real environment to evaluate the system's performance and accuracy. The expected results from the topic will contribute to promoting the development of network security technology and provide useful solutions for organizations in need of information security.

Keywords: firewall, IPCop, network security, information security, firewall system