

Application of IPCop firewall software in network security assurance

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Abstract: This topic aims to research and apply the IPCop firewall software to address the increasingly urgent issue of network security. Through practical analysis, the author identifies the necessary requirements for a firewall system and selects IPCop as a feasible option due to its scalability and high compatibility with various operating systems. Using a combined method of theoretical research and experimental deployment, the topic guides the process of installing and configuring IPCop on a lab network. The expected results will contribute to raising awareness about network security as well as providing a specific solution to protect important data.

Keywords: IPCop firewall, network security, network lab, experimental deployment, firewall system