

Building a firewall solution for the network system of Dong Hy General Hospital - Thai Nguyen

Do Huy Dat

Abstract: This topic aims to research and develop a suitable firewall solution for the network system of Dong Hy - Thai Nguyen General Hospital, meeting the security requirements for sensitive medical information. Through analyzing the current status of the hospital network, we identify the main objective as building an effective and cost-efficient network security system. Using a method combining theory with experimentation, this topic not only evaluates modern firewall technologies but also deploys a solution based on the hospital's specific requirements. It is expected that the research will provide Dong Hy - Thai Nguyen General Hospital with a robust security system, contributing to improving the quality of medical services and protecting patient privacy.

Keywords: firewall, hospital network, cybersecurity, information technology, security