

Design and simulation of a network system and deployment of some network security solutions for Pho Yen Town Medical Center - Thai Nguyen

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Abstract: In the context of increasing cybersecurity threats, this topic focuses on designing and simulating a network system for the Pho Yen Town Medical Center - Thai Nguyen to ensure information security. The main objective is to build advanced technical solutions to prevent cyber attacks and maintain the stable operation of the system. The research method combines theory with experimentation, including analyzing the current network status, testing new security processes, and implementing them in practice. The expected result is a significant enhancement in the ability to protect sensitive patient medical information, ensuring compliance with national and international security standards.

Keywords: network security, network system simulation, medical center, technical solutions, information security