

Building a computer management and monitoring program in a LAN network

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Abstract: This topic aims to research and develop an effective management and monitoring system for computers in a LAN, meeting requirements for security and resource optimization. Through analysis and design based on academic methods, the system will automatically monitor the activity of each computer and provide early warnings when anomalies are detected. Practical tests have demonstrated the high reliability and performance of the proposed solution. This is an important breakthrough in protecting LANs from security threats while ensuring smooth operation.

Keywords: LAN management, computer monitoring, network security system, resource optimization, anomaly detection