Implementation of Remote Monitoring Security System

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ABSTRACT

In recent years, with the technological advances of the Internet, the Voice over Internet Protocol (VoIP) technology has become an increasingly popular communication tool. Up to now, there are more than 100 million users in the use of VoIP technology products. Due to the high popularity of Internet telephony, this thesis implemented an Asterisk system based security monitoring system. Traditional security monitoring systems only integrate with traditional telephone. Instead, this thesis proposes a security monitoring system integrated with traditional telephony and VoIP phone service. The advantage of proposed system is that the network is very common and low converse costs, low construction cost, and better scalability. The advantages of using a alarm system device is set up convenient, no wiring and maintenance more convenient. This thesis proposes using MySQL, PHP, HTML to build a Web-based management system, allowing administrators to monitor the security status of the household.

Keywords: VoIP, Asterisk, Alarm system, PHP

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