

北京陆道培医院网络安全服务管理系统的 设计

摘 要

应对网络安全法和国家基础设施保护条例本文主要围绕北京陆道培医院的网络安全建设来展开，以医院的基础设施等级保护建设为背景分析燕达医院的现有的网络安全漏洞和存在的安全隐患，在此基础上我依据医院的安全风险分析制定一套燕达医院的整体网络方案设计。

文章重点是第二章和第三章两个部分，第二章医院的安全风险分析和技术需求分析从对医院的业务系统和物理机房设备实地考察以及跟院方领导的实际沟通最终在结合相关上级政府单位的整改框架来对医院的方案进行整体分析。文章的第三部分从院方的安全物理环境（机房改造）、安全通信环境（通信物理链路）、安全区域边界、安全计算环境（内网的安全补充设计）、安全运营管理（医院整体网络运维框架的展现）五个方面系统设计。

最终设计方案得到院方的采纳支持，对比传统医疗行业网安建设本方案主要的亮点是打造出一套完整的从外网隔离防护——内网计算环境对业务的支撑——全面清晰的医院网安运营管理设计方案考虑全面细致以一套一体化式的方案交付。其中的创新部分是燕达院区与亦庄院区的网络信息隔离与交换的实现既能够很好支撑两个不同物理院区的业务信息交换还能够符合国家信息安全的整改。

关键词：企业网 服务质量 计算机性能

ABSTRACT

In response to the network security law and the national infrastructure protection regulations, this paper mainly focuses on the network security construction of Beijing ludaopei hospital, analyzes the existing network security loopholes and potential security risks of Yanda hospital against the background of the infrastructure level protection construction of the hospital, and on this basis, I formulate a set of overall network scheme of Yanda hospital based on the security risk analysis of the hospital Design.

This paper focuses on two parts: Chapter two and chapter three. In chapter two, the hospital's safety risk analysis and technical demand analysis, from the field investigation of the hospital's business system and physical machine room equipment, as well as the actual communication with the hospital's leaders, the overall analysis of the hospital's plan is finally carried out in combination with the rectification framework of the relevant superior government units. The third part of the article is the system design from five aspects: the hospital's security physical environment (computer room transformation), security communication environment (Communication physical link), security area boundary, security computing environment (security supplementary design of the internal network), security operation management (display of the overall network operation and maintenance framework of the hospital).

The final design scheme has been adopted and supported by the hospital. Compared with the network security construction of traditional medical industry, the main highlight of this scheme is to create a complete set of external network isolation protection - the support of internal network computing environment for business - a comprehensive and clear design scheme of hospital network security operation and management considering a comprehensive and detailed delivery of an integrated scheme. The innovation part is the realization of network information isolation and exchange between Yanda district and Yizhuang District, which can not only support the business information exchange between two different physical districts, but also conform to the rectification of national information security.

Key words: enterprise network quality of service computer property

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