

Analysis and Protection of Computer Network Security Issues

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Abstract—with the rapid development of information technology, the influence of network on human way of life is greatly enhanced, and network technology is rapidly popularized in all fields of society, which makes the security of computer network become an urgent problem to be solved. How to ensure the rapid and healthy development of the network has become the focus of attention of scholars, and has a very prominent realistic background and extremely important theoretical significance. In this paper, the research background of computer network security, the significance of this paper, the related research status at home and abroad and the research methods used in this paper are summarized. Then the theory of network security technology is advanced. This paper summarizes the connotation of network security, the research content of network security, the framework of network security information and the dynamic model of network security. In the third part, the problems of computer network security are analyzed, and the network security problems are studied from four aspects: network hardware, network software, network managers and network users, and the possible network security problems and their causes are analyzed. In the fourth part, the network security protection measures are put forward, and the security measures of hardware system, system security loophole, application software and manager are put forward respectively.

Keyword—Computer, Network Security, Protective Measures, Security, Computer Network.



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