

Original Paper

The Application of Computer Information Technology in Internet

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Abstract

In recent years, with the rapid development of computer technology in China, contemporary society has entered the Internet era. The connection between computer technology and Internet is getting closer and closer. As an important tool in modern life, work and entertainment, network security is particularly important. In the current information age, the Internet has been widely popularized, and computer technology is constantly improving and innovating. The remarkable progress of information technology has promoted the integration of computer information technology and Internet. The continuous development and innovation of computer information technology has made great contributions to the security of the Internet network environment, and has also made rapid development under the background of the rapid development of the Internet. Starting with the analysis of the Internet and its main security threats, this paper discusses in detail the application of computer information technology in the Internet. I hope the research in this paper can help to promote the application and development of computer information technology.

Keywords

Computer, Information technology, Internet, App, Application

1. Introduction

With the development of society and the progress of science and technology, information technology has been widely used in the world. Computer information technology has made outstanding contributions to the development of the Internet, making it more and more in line with people's daily life and work style. As a representative of today's era, computer information technology has been widely concerned by people all over the world. With the rapid development of Internet technology, network security issues emerge one after another. The application of computer information technology on the Internet can play a very good protective role. Computer information technology is a kind of technology that appears

gradually with the wide popularization of computers. It is widely used on the Internet. It can be said that without computer information technology, there would be no internet, and the two complement each other. The emergence of computer information technology and its application on the Internet have greatly improved the security of the Internet.

2. Overview of Computer Information Technology

As far as information technology is concerned, mastering computer technology requires understanding the process of information generation, transmission, management and processing. It mainly uses the knowledge of network communication, digital encryption and computer to solve problems, including computer technology, sensor technology and communication technology. Computer information technology is the general term used by computers for information management and processing. Computer information technology mainly designs, develops and installs information systems or application software through computer technology and network communication technology, mainly including application storage, sensing and communication technology. With the progress of society and the development of science, computer technology is more and more used in people's daily life, widely used in the production, processing and exchange of computer information.

3. Overview of the Internet

Internet itself is an information system, which provides a platform for information exchange. Every minute of information on the Internet is enormous. Once important information is stolen by criminals, it will cause huge losses to users. Internet security is closely related not only to its initial architecture, but also to its terminal server. Internet is a common language network organized by computer communication technology and can be used all over the world. Internet is an information platform that connects two or more computer terminals or clients by using communication technology.

4. The Security Threats Facing the Internet

Communication technology includes computer technology and network technology. They can connect independent computers through the network, so that information can be transmitted and shared between computers. Through computer network connection, information can be effectively transmitted, but there are security loopholes. The application of information security in computer network technology is related to people's information security and network security, and plays an important role in people's information security. In the process of informatization construction, enterprises need to do a good job in information protection, so that the data and information of enterprises can be fully protected and the information security problems that affect enterprise operation and social development can be avoided.

At present, the application scope of computer information technology and Internet is gradually expanding, which also makes information security an important content at present. Because the network is attacked by hackers in the process of use, it will invade the computer system through some illegal

means. At the same time, the program in the system is cracked, which leads to the theft and tampering of user information, which leads to the disclosure of user privacy information and endangers the safety of personal information.

In addition, some people use malicious programming to attack users' computer viruses, so that users' computer viruses can invade through email, network and other means. All these will do harm to the information security of the user's computer system, even cause the infected computer to be unable to use normally, paralyze the system, steal the stored information, and cause many serious consequences to some private information. Viruses may also spread to other computers, causing damage. The fragility of network operating system is no exception, especially with the rapid progress and development of computer information technology. Although operating system owners have evaluated and upgraded their systems, vulnerabilities still exist and become more and more obvious, making it easier for attackers to detect and exploit them.

Using computer information technology to scan computers and networks, we can understand the security settings and application services in computers and networks, find security vulnerabilities in the system in time, and objectively evaluate the network risk level. In the security protection of computer and network system, firewall and antivirus software are passive defense measures, while vulnerability scanning technology is an active defense measure using computer information technology, which can effectively avoid illegal attacks. At present, with the rapid development of the Internet, e-commerce came into being. If a user accidentally opens a webpage containing Trojan virus when shopping online, the Trojan virus will invade the user's system, and the user will get the transaction password when paying in online banking, which will cause huge economic losses to the user.

5. The Application of Computer Information Technology in the Internet

A firewall is a protective barrier connecting the internal network and the external network. Before use, the system administrator can set and control the incoming and outgoing data, form a gateway, strengthen network access control, and avoid the influence and threat of unsafe factors in the external network, thus ensuring the healthy use of the internal network and effectively protecting the security of computer network information. Firewall access in LAN can effectively filter and segment incoming information from outside, and intercept unsafe access brought by network security. It can also be used to build a secure network with firewall as the core, and configure firewall test software in the firewall to monitor access and audit a part of the computer network.

Virus is a destructive and contagious malignant process. With the help of computers, it can spread rapidly in the network environment. It not only affects the normal operation of the computer, but also copies the information files of the computer and sends out wrong instructions, resulting in system paralysis. Therefore, when applying computer information technology on the Internet, we must pay attention to the use of anti-virus software to prevent the outbreak of viruses. Because the virus is detected by various anti-virus software, when the system is infected by virus, the anti-virus software will analyze the virus

code by itself. If it is judged as an abnormal code, the antivirus software is executed. By destroying the virus itself, it will lose the ability to access the Internet, thus ensuring the security of the Internet and user information. Usually, in a specific local area network, it is necessary to use matching anti-virus software, so that the anti-virus software can analyze and deal with the security factors in the local area network in time, maintain and integrate the local area network, fully realize the control of Internet viruses, and reduce the impact of Internet viruses on Internet operation. When the virus harms the Internet, all the information on the Internet will disappear, which will bring many unfavorable factors such as information loss and information leakage to Internet users.

Internet technology is highly exploitable. In order to improve the security, stability and reliability of Internet operation and protect Internet information, it is necessary to use encryption technology in computer information technology to encrypt information on the Internet, thus providing a safe environment for traditional Internet information and preventing users' information from being stolen. Undoubtedly, the application of cryptography on the Internet is to ensure the security of network information, so that information can be spread and copied in a relatively safe environment, so that information can not be stolen or the system can not be invaded, and the security barrier of Internet operation can be improved.

6. Conclusion

To sum up, through the application of computer information technology on the Internet, we can provide various security guarantees for the operation of the Internet from all angles and levels. The combination of computer information technology and Internet not only promotes the development of society, but also ensures the security of the network. The application of firewall technology, password technology and virus scanning technology in computer information technology provides security for people to use the network safely and avoids a lot of economic losses caused by network security risks. Computer information technicians should make continuous efforts to make the Internet create more value for society. Today's society is inseparable from the Internet. With the wide application of the Internet, the virtual world, which was originally only for people's leisure and entertainment, is getting closer and closer to reality. People's behavior on the Internet has become more and more specific and functional, and its influence on daily life has become more and more serious. The development of computer information technology not only improves the performance and service level of the Internet, but also makes network security indispensable. As computer professionals, they have the responsibility and obligation to make suggestions on network security issues and jointly build a safe network environment.

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