

Analysis of Computer Network Technology and Its Application in Practice

Xiaoshai Shi

Yancheng Kindergarten Teachers College, Yancheng, Jiangsu Province, 224000, China

Keywords: the application of computer network technology

Abstract: With the continuous development of the times and the progress of science and technology, great changes has also been taken place in people's social life. Especially in recent years, as the rapid development of information technology in China, resource sharing, instant messaging and other network technology applications have been integrated into people's daily life no matter where in people's work or in their entertainment, which are inseparable from the computer network. The scope of applications of computer network have ascended in the social field, because the application and development of computer network have attracted more attention from all walks of life, and have become the focus of the public. This paper systematically analyses the computer network technology in detail, and explores the practical application of network technology in society.

1. Introduction

With the progress of science and technology, the application of network technology in social life is increasingly widespread. At the same time, the number of computer application software is rising, leading to the connection between network technology and people's daily life is becoming closer. Enterprises use office software to improve work efficiency, people use the corresponding software to entertain themselves or learn knowledge, so as to enrich and expedite their their daily life. Today, network technology is very important for the development and progress of society. Therefore, we should continue to actively explore and develop network technology to integrate it into real life.

2. Computer Network Technology and Its Application Specification

2.1 Division of Computer Networks

Computer network mainly consists of communication subnet and resource subnet. The basic computer network is formed by connecting various computer contacts through lines and finally connecting them to terminals. The range of computer networks varies, from local area networks covering several kilometer to metropolitan area networks covering hundreds of kilometers, then to wide area networks that can cover the entire country. Local area networks (LAN), metropolitan area networks (MAN) and wide area networks (WAN) have different characteristics since they have different coverage. Local area network (LAN) has the characteristics of the smallest coverage and closeness. It is generally used for data communication and resource sharing. Information transmission is usually adopted external devices to achieve network connection. The scale of communication and information transmission in metropolitan area networks (MAN) is much larger than that in local area networks (LAN). And wide Area Network (WAN) has the largest coverage, and its information transmission needs to be exchanged by circuit, message or grouping.

2.2 Application Specification of Computer Network Technology

2.2.1 The Standardization of Computer Network Technology

The application environment of computer network technology should be strictly regulated. There are hundreds of millions of people using network technology. Network technology can not be applied to the real life of society without strict division of the system. Computer network technology with the characteristics of systematic and scientific is the standard operating and application environment. Only in this way can we maximize the advantages of computer network

technology, make the most of work efficiency to provide people with rich entertainment, and convenient services. Therefore, in order to meet people's needs, we should pay attention to the standardization and systematization of network technology application environment. In the practical application of network technology, we should constantly optimize the network environment, so as to maximize the function of network technology equipment, and more efficiently complete tasks. Network technology is a very rigorous technology since it has very complex structure, therefore, it cannot tolerate any mistakes. Any petty mistakes may lead to the complete collapse of the network system. Therefore, in our daily life and work, we need to constantly optimize the network technology and ensure that the network technology is systematic and standardized, so as to reduce the hidden dangers and errors that collapses the network technology.

2.2.2 The Reliability of Computer Network Technology

Nowadays, network technology is more and more closely related to people's daily life. Not only in working and studying but also in traveling for entertainment, people are inseparable from network technology. Therefore, it is necessary to ensure the reliability of network technology. At the same time, in order to improve the social and economic benefits, we must attach great importance to the reliability of network technology. We should take the following measures: regular maintenance of network equipment, detection of equipment operation, timely treatment of related problems, and continuous optimization and upgrading of network equipment, so as to ensure the normal operation of network equipment.

2.2.3 Convenience of Computer Network Technology

As a social tool, the purpose of computer network technology is to meet people's diverse needs in social life, and its development direction is to make people's daily life more convenient. Nowadays, people's daily work, entertainment and life are inseparable from the Internet. In order to meet people's actual needs, we must fully understand the network system, choose appropriate hardware and software to configure the network system, and try our best to make the network system convenient. In addition, the basic operation such as upgrading, regularly maintenance, and troubleshooting should not be too complex. Only in this way can we give full play to the positive role of network technology in promoting people's social life and increase the convenience of network technology.

3. Application Principles of Computer Network Technology

3.1 Normalization

Normalization is the basis of network technology with excellent performance and efficient work. Only by guaranteeing the normalization of network technology can we provide people with abundant entertainment and convenient and fast services. However, nowadays, there are some bad effects, such as some people don't know enough about network technology, some can't operate network technology equipment correctly, and even do some illegal operations. This not only can't play the role of network system normally, but also causes damage to network equipment. And it further affects the optimization and development of network technology. Therefore, in the actual operation of network system, users should be familiar with network technology specifications, so as to improve the role of network technology in promoting social life, make more people enjoy the convenience of network technology. The normalization of network technology also constraints on computer applications. Only by normalizing the implementation of computer applications can we accurately perform the functions of computers and give full play to the role of computing. The application of network technology have affects on people's way of thinking and behavior habits. Therefore, people must strictly abide by the standards of network technology when they use the network, especially young people, they don't forms correct values at that time, so they should enhance the awareness of standardizing the operation of the network system.

3.2 Convenience

Computer software and hardware updates are fast. In order to ensure the effective use of computers, reduce the occurrence of failures and increase the convenience of people's lives, depreciation of equipment and technological innovation should be taken into account in the configuration and use of computers. At the same time, in order to reduce the complexity of computer operation, the software system should be as simple as possible on the basis of meeting the needs of computer operation when configuring a computer. In addition, because of the complexity of computer system, the social market demand should be fully considered in hardware configuration and software selection, so as to obtain the recognition of the consumers. Network technology covers many facets of social life, it should be as much as possible convenience in practical application on the basis of meeting the functional requirements and user needs as well as reduce the complexity of operation.

4. Practical Application of Computer Technology

4.1 Application on Educational and Scientific Research Work

Network technology promotes the rapid development of education system, specifically, distance education extends the coverage of education system. Distance education through network technology breaks the geographical restrictions of education, and makes more and more people in different regions get better and more comprehensive education. Teachers can teach students at home through network technology, even they apart from thousands of miles, which greatly reduces the cost of education and increases the way for students to receive education. Network technology promotes the popularization of education, thus improving the overall quality of society. Multimedia technology, as a part of network technology, can transform some Abstract knowledge into vivid and intuitive image to impart to students, on the one hand, it improves the efficiency of teachers' teaching, on the other hand, it enhances students' interest in learning and improves their ability to absorb knowledge. Therefore, network technology can not only promote the popularization of education, but also improve the efficiency of learning, which has a positive role in promoting the overall education and scientific research.

4.2 The Impact of Computer Network Technology on Routine Work

With the continuous development of science and technology, network technology is increasingly and widely used in social life. Various office software emerge in endlessly, which greatly improves work efficiency. The emergence and popularization of cartographic software such as CAD make various cartographic work more convenient. For engineers, cartographic software reduce the complexity of various large-scale building or mechanical engineering drawings. PS technology reduces the technical threshold in the field of photography. Anyone being good at applying PS technology can become an excellent photographer. QQ, Wechat and other instant messaging software reduce the cost of mobile calls. And voice or video chat, file transmission in daily life reflects the role of network technology in promoting the convenience of social life. Network technology is constantly integrated into people's daily life, and has become an indispensable tool for people to work, entertainment and learning.

4.3 The Role of Computer Network Technology in Network Operation

Network technology are more closely linked to peoples' daily life, which not only plays a positive role in people's work and learning, but also bring huge changes to the network operation itself. The famous Alibaba APP is following the footsteps of network technology and rising rapidly. Alibaba APP, nowadays, occurs in many fields of social life. The rapid development of Alibaba APP highlights the positive role of network technology in promoting society. Network technology has not only played a great role in wealth creation but also brought convenience to people. Enterprises can publicize brand, sell products and recruit talents through network technology. Network operation is developing with the progress of network technology. Network operation continuously

integrates social resources through network technology to promote the economic development of enterprises and countries towards a better and faster direction.

4.4 Application of Computer Network Technology in Public Service System

Network technology and modern social life are increasingly and closely linked, leading service management is more convenient and rapid. Many service management work has been carried out better because of network technology. Specific advantages are described below. It reduces the complexity of work, saves the cost of manpower, promotes the reform of public service, which promotes the better and faster development of public service. Nowadays, office work is inseparable from network technology. Skillful use of office software is the basic requirement of today's work. Therefore, the office staff should participate in training timely and improve their own technology to adapt to the environmental changes caused by the integration of network technology. Network technology has greatly promoted the management and application of public services, making a qualitative leap in its level. The main changes in public services manifest in public health and the sharing of medical information between urban and rural areas. The public health system through the network technology strengthens the supervision of health problems in public places such as schools, as a result of strengthening the prevention of diseases and guaranteeing the health of citizens. The sharing of medical information between urban and rural areas promotes the reasonable circulation of medical resources, improve the medical level of the entire society as well as safeguard citizens' lives. The development of network technology plays a vital role in the implementation of the national joint insurance system, making citizens enjoy more convenient in seeing a doctor, and make medical treatment more safe and reliable.

5. Future Direction and Application Prospect of Computer Network Technology

Nowadays, computer network technology develops rapidly. Therefore, we should apply network technology reasonably to improve the convenience of people's life, and promote the rapid development of social security. Network technology is increasingly closely related to social life, which has attracted more attention from all sectors of society. Network technology achieves the information transmission and resources sharing, breaking the restrictions of space on people's life and social development, so as to bring great convenience to people's daily life. Network technology covers a wide range of areas and has a huge social demand. It promotes the development of virtual dial-up technology and brings broad prospects for the development of virtual network technology. Therefore, the network technology should improve the utilization rate of information by improving the processing speed of information in network system, so as to reduce the waste of resources and the damage to the network office environment, and develop towards a better direction at a faster speed.

6. Conclusion

In a word, network technology has the following advantages. It provides people with a more efficient and convenient network environment and promotes information exchange and resource sharing. It improves the efficiency of work and has a great role in promoting social and economic development. Therefore, we should give full play to what we have learned to actively promote the practical application of network technology. By doing constantly reform and innovation to improve the level of network technology.

References

- [1] Zhang Yanxiang. Computer network technology and its application in practice [J]. Network Security Technology & Application, 2015 (3): 26 + 29.
- [2] Chen Jianshu. Computer network technology and its application analysis in practice [J]. China New Communications, 2015 (8): 16-17.

- [3] Song Junfeng & Tao Liangliang. Computer network technology and its application in practice [J]. Digital Technology and Application, 2015 (2): 207.
- [4] Mali & Che Jiangtao. Computer network technology and its application in practice [J]. Science and Technology Information, 2015 (14): 32.
- [5] Wu Duanjing. Computer network technology and its application in practice [J]. Science and Technology Perspective, 2015 (17): 70.