

Research on Modern electronic information technology Based on Cloud Computing

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Abstract: Electronic engineering technology is the product of technological development in the field of numerical control at present, it is an important technology in the field of industrial production in China, and it is also the concrete application of digital operating system in the integration of IT at present. The integration of modern technology and EIE will certainly enhance the lifestyle of modern people, meet the needs of modern people, and provide automatic and intelligent development technical support for modern people's lives. The electronic industry takes modern technology as its main force and modern IT as its core method, which is of great significance in promoting national economic growth. With the rapid development of science and technology in China, people pay more and more attention to electronic technology. Cloud computing technology can be said to be the concrete manifestation of modern electronic engineering technology. Taking modern electronic information technology as an example, this paper expounds its significance and role in the cloud computing environment under the background of information age, and looks forward to the development trend of electronic information technology.

1. Introduction

With the in-depth research, mature technology and wide application of various modern electronic information technologies such as computer, electronic communication and Internet technology, people have unconsciously enjoyed the earth shaking changes brought by the information age [1]. The construction of electronic information engineering (EIE) is a modern technology developed with the help of network information technology (IT). The rapid development of electronic information technology has greatly changed people's way of production and life and quality. The development and application of a variety of modern information technologies in the information age have also received enough attention and attention [2]. In today's information development era, with the continuous innovation of China's science and technology, EIE technology has been deeply and widely reflected in the application level. Relying on the rapid and substantial development of modern network technology, EIE has also achieved diversified and deep-seated development and innovation. People use modern electronic information technology to carry out various operations such as electronic information collection, analysis, control and processing [3]. In the process of actual development, China's electronic information technology still faces many problems, which greatly limits the development progress of domestic electronic information technology [4]. Therefore, we should pay more attention to the development of electronic information technology, constantly improve and optimize the level of China's electronic information technology, constantly make up for the deficiencies in technology, and open wider development space for China's electronic information technology.

Modern technology is more and more widely used in all walks of life. Modern technology is also indispensable in EIE. It promotes EIE to update ideas, improve technology, expand influence, and bring us convenience in daily study, life and work [5]. The electronic information industry takes modern technology as the main force and modern IT as the core method, which is of great significance to promote the growth of the national economy. No matter when and where, science and technology is always the primary productive force and plays an important role in the development of regional economy and national economy. Therefore, the development support and

optimization of industries with good development momentum and vitality will greatly promote the development of the country's economic field [6]. With the current exploration and development of EIE in the direction of intelligence, the dissemination of electronic information will be faster, more accurate, with greater storage capacity, relevant products will be developed and used quickly, and the operation and management tools of various industries will also develop in the direction of intelligence [7]. The integration of modern technology and EIE will not only improve modern people's lifestyle, meet modern people's needs, provide automatic and intelligent development technical support for modern people's life, but also highlight its value in the application field.

2. Advantages and importance of electronic information technology application

With the further development of Internet technology and the diversified changes of social needs, the information mode accepted by the market is also constantly innovating. Therefore, it is necessary to apply more modern electronic technology to various fields, no longer simply research and develop electronic technology and electronic products, but integrate electronic technology with other scenes, so as to provide more convenience and convenience for people's work and entertainment Reliable information support. Compared with the current employment demand of China's electronic technology related industries, there is a large gap in the number of modern technical talents in the market, and there is a certain lag in the transmission of relevant professional talents, resulting in the lack of guarantee for the employment rate and work quality of talents. The development of enterprises is obviously affected by the market environment. Nowadays, China's modern electronic information enterprises have achieved considerable and diversified development and are saturated in some aspects. However, based on the improvement of the innovation ability of some enterprises in recent years, it has brought new opportunities to the development of electronic information [8]. electronic information technology is the product of the development of the times. It is not only the product of the development of the times, but also created a new era. The so-called product of the times refers to the gradual improvement of people's living standards with the advancement of social process, which means that people are no longer only satisfied with the needs of satiety, but pursue higher quality of life and more efficient work.

With the continuous improvement and diversified development of modern technology, the requirements for the technology and comprehensive quality of electronic technology talents are higher. The electronic information industry is different from traditional industries, and knowledge and technology are very intensive. Therefore, the work is very precise. According to the continuous updating of people's production and living needs and meeting the needs promoted by the social process, electronic information technology makes people's life more convenient, and the production efficiency and quality have been greatly improved. The realization of intelligence and automation supported by modern electronic information technology has raised people's production and life to a new level, and the human process has also developed to a new period [9]. Nowadays, there is an obvious gap between the quantity and quality of China's modern electronic information technology talents and the needs and requirements of enterprises, resulting in the current modern electronic products can not meet the needs of the market, which restricts the optimization and reform of relevant enterprises and the overall economic growth. electronic information technology is one of the more cutting-edge science and technology at present. In addition to the well-known science and technology as the first productive force, as a cutting-edge science and technology, its development level and role in the market have also become the evaluation standard reflecting the economic level and scientific and technological ability of a country and region to some extent.

3. Strategies for improving modern electronic information technology

3.1. Standardized information network

Policies and regulations are the effective and necessary support for the stable and healthy development of the industry. The current market environment is not optimistic, so the government

should give full play to its role of regulation and supervision to improve the information market. We should standardize the information network, formulate relevant laws and regulations to restrict the information network crime, crack down on the network crime and various violations, establish a healthy, harmonious and green network credit system, and promote the cultivation of network quality. The regulatory authorities should strictly supervise and deal with non-standard enterprises in a timely manner, so as to maintain the normal order of the market, avoid the worsening of bad competition and damage the development of the industry and the interests of consumers.

3.2. Attach importance to cultivating talents

Electronic engineering enterprises should pay attention to the cultivation and development of talents, and obtaining talents is the basic strength for their own development. With the support of talents, enterprises can make continuous innovation, and talents can also exercise their own abilities, enhance their own value, and make progress and growth together with enterprises. Talent is the core element of the development of electronic information enterprises, and innovation ability is the core ability of the development of IT personnel. Therefore, in order to make the modern IT develop by leaps and bounds, it is necessary to intensify the training of technical talents. In the development of an industry, people are always the most important and core resources, and even high-end technologies are developed by talents, who are the source power of industrial development and enterprise advancement [10]. While introducing advanced technology, we should strengthen our study and create our own core technology, gradually get rid of the situation that the core technology depends on imports, and enhance the autonomy of China's modernized technology in the application of EIE. The innovation of electronic technology requires many high-tech talents to cooperate in research and development. Therefore, enterprises can set up professional research and development teams, so as to fully stimulate and bring into play the innovative ability of talents and promote the innovation and development of enterprises.

4. Network security defense measures under the environment of cloud computing technology

Encryption in computer system can be done by symmetric encryption technology, also known as shared key encryption, which means that both sides of data transmission use the same key and ensure no leakage, so as to ensure the security of data transmission. Through certain technical monitoring and monitoring at any time, we can ensure the safety of users in the cloud computing technology environment and realize a stable, smooth and safe cloud environment. We can eliminate the security risks caused by software vulnerabilities by updating the software in time, and make corresponding remedial measures for the problems in time. In the security of network technology, prevention is far more important than repair. It can protect the system and users to ensure the network security under cloud computing technology. In terms of users, it is necessary to improve the network vigilance. The data storage security architecture of cloud computing is shown in Figure 1.

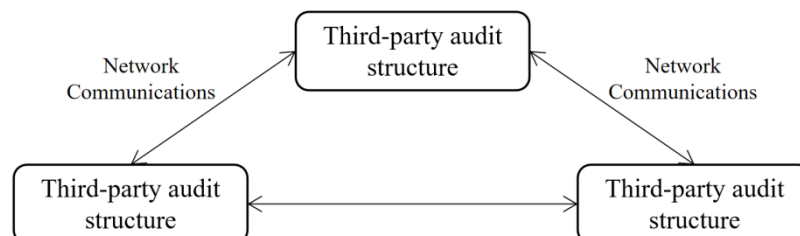


Figure 1 Cloud computing data storage security architecture

Establishing a security defense framework for cloud computing technology system can predict risks and realize pre-defense of risks, further improve the establishment of data isolation, strengthen the research and development and operation of security technologies, pay attention to pre-protection of risks, and regularly inspect and protect the system. Only by maintaining a high vigilance and cultivating safety awareness can we really avoid the risks brought by Trojans. Download the

protective software in the system and ensure its normal operation, so as to realize the absolutization of network security.

5. Conclusions

With the deepening of China's economic development and social and technological reform, China's EIE construction has promoted China's industrial reform and production technology development to a certain extent. From a far-reaching point of view, the use of computer EIE control technology has promoted the innovation of modern industrial production enterprise management technology and changed the world industrial manufacturing and industry development pattern. In today's social development, the application of electronic information technology plays a very important role, which can promote the development of life, production, agriculture and medical treatment in China to a great extent. electronic information technology is closely related to people's lives and the development of national economy. Its development can not only effectively improve people's quality of life, but also promote the development of various domestic industries and create more considerable economic benefits. We must pay more attention to the development of electronic information technology, continuously improve the research and development of electronic information technology, and fully apply modern technology to EIE. Only in this way can China's electronic information technology be more perfect.

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