

Research on Mobile Office System Based on Digital Media Age

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Abstract: With the continuous progress of information science and technology, the world ushered in the era of digital media, and the application of multimedia technology brings great convenience to people's work and life, and also brings great challenges to the development of various industries. In this context, the development of mobile office system and digital media technology also have great development, mobile office system to the technical level. Secondly, there are very high requirements. Mobile office system can greatly improve people's office efficiency, save resources and reduce pollutant emissions. In the current situation, mobile office system has become a trend of the development of the times. Based on a brief analysis of the digital media era and mobile office system, this paper shifts the era based on digital media. The development of mobile office system and related issues are discussed.

1. Overview of Digital Media Age and Mobile Office System

One of the main characteristics of the digital media era is the tremendous progress and wide application of multimedia technology. Digital media technology is a new high-tech emerging in recent years. It mainly combines multimedia technology and network technology organically, digitalizes the information needed to be transmitted through technical means, and then stores and transmits relevant information through technical means. Send and transform. The advent of digital media era has greatly changed the way of production and life of human beings. People's production and life have become more efficient. Digital media technology has many distinct characteristics, which are mainly manifested in the following aspects:

(1) Innovation. It is precisely because the continuous progress and innovation of science and technology have liberated productivity, but also contributed to the arrival of the digital media era. Digital media technology contains many very innovative ideas and technology, which has brought us a better use experience. At the same time, we can better integrate into the digital media era.

(2) Diversity. The advent of the digital media era, provides the possibility for all kinds of personalized creation. Digital media technology will bring opportunities, but also make the competitive environment in the market become more intense. Therefore, in order to maintain its dominant position, we must pay attention to the development of personalization, which also contributes to diversity invisibly.

(3) Participation. With the advent of the digital media era, users can put themselves into it. At the same time, digital media also provides great convenience for the exchange and dissemination of information, which is conducive to providing users with more high-quality services.

Nowadays, with the progress of science and technology, many enterprises and units have been able to gradually realize mobile office. In the field of mobile office, digital media technology provides users with great convenience in many aspects. First, data transmission and processing, query and processing of relevant data and documents, etc. Mobile office system based on digital media era not only saves materials. At the same time, the use of materials greatly improves the efficiency of office work, making it largely free from the constraints of time and space, but also further promote the sharing of resources.

Mobile office system is based on the development of technology. The main feature of mobile office system is to replace the traditional manual labor with some advanced technical equipment, which can effectively reduce the use cost of office system, but also can improve the efficiency of office system. On the other hand, mobile office system can abandon the drawbacks of traditional

manpower office to some extent and break the limitation of office location and office time.

2. Importance of Mobile Office System in Digital Media Age

2.1 Improve the efficiency of data transmission.

Mobile office system based on digital media era can greatly improve the efficiency of data transmission. Relevant technicians organically combine some basic office equipment and terminal processor through technical equipment, so that relevant users can work through mobile devices such as smart phones and computers. Compared with traditional data transmission, this greatly improves data transmission. Transmission efficiency, the transmission and use of related office data can be achieved through terminal processors, which provides technical support for high-speed data transmission.

2.2 Break the limitation of time and space.

Compared with the traditional office form, the mobile office system based on the digital media era can extend the office antenna infinitely within the scope of technical support. When designing the mobile office system, technicians can use the current network technology to organically contact the office staff through cameras and microphones. The office staff can contact at any time according to the actual situation. This extends the office space infinitely in the spatial pattern. On the other hand, mobile office system can also break the limitation of office time. On the premise of technical equipment support, office staff can work at any time. This is the limitation of office time.

3. Key Technology of Mobile Office System Based on Digital Media Age

3.1 Set up the goal of mobile office system.

In the mobile office system based on digital media era, security is the first. When setting the goal of the office system, the information security of the office system must be maintained. This requires county officials technicians to develop products with higher security and master key technologies, so as to maximize the role of the mobile office system and realize data information on this basis. Synchronization. On the other hand, the relevant personnel should also follow the relevant principles of office automation system, improve the level of public service system, in order to provide technical support for office automation system.

3.2 Define the function of mobile office system.

Relevant technicians should clearly grasp the development of the market, timely understand the real needs of the office in the actual situation, and listen to the opinions and suggestions of the office staff, so as to make the design more in line with the needs of real life. For example, the relevant technicians should optimize the office system, not read it to improve their ability to integrate information, because in the actual office process, office workers often need to integrate all kinds of work information organically. If the information integration function of the office system is optimized, then office workers can use this function to quickly realize information. Integration saves a lot of time and energy.

3.3 Master the key technology of mobile office system.

In the mobile office system based on digital media era, it is very important to master the key technology. First of all, we should master the security of development technology. Relevant designers should fully consider the security risks, such as infrastructure, hardware equipment and so on, before developing technology. Relevant technicians should fully grasp the security development technology, establish a secure and reliable mobile client, improve the security performance of network data, so that it can resist malicious network attacks, but also should standardize the coding process, lay a solid foundation for the security of mobile office. On the other hand, relevant team members should also pay attention to the application of programming technology. Designers can

improve the technical content of network programming, optimize the framework of communication module, realize data transmission, and lay a solid foundation for efficient office work.

4. Design of Mobile Office System Based on Digital Media Age

4.1 System software design.

In the design of mobile office system based on digital media office, designers should complete the system structure design according to the prescribed time. The main contents are as follows. Firstly, it should include the application of personal office system, the publication and sharing of relevant information, the downloading and updating of relevant software, etc. If the system software is well designed, then on this basis, mobile office system can be used to carry out office work. Mobile office system can provide people with office efficiency, for example, by setting related forms functions, so that office workers can set their own processes according to the actual needs. In the process design, it should also include various kinds of processes, such as administrative management, financial management, announcement and publication, so it puts forward higher requirements for the system software design. Relevant technical personnel should strengthen the design of system software, so that office staff can efficiently integrate various resources, so as to achieve the organic integration of user system and management system to a certain extent.

4.2 Building platform framework.

Relevant technicians should organically combine the current high-tech and mobile office system. Mobile office system based on digital media era has very high security requirements, so we must build a reliable platform framework. The development of high and new technology in our era provides unlimited possibilities for mobile office system. Now there are various browsers with powerful performance and hardware support system with sTable performance. Relevant technicians should further develop a service system on this basis, and classify the relevant data in the platform framework reasonably, so that users can have a better office experience. At the same time, it should also provide data support and guarantee for office staff at the technical level, and optimize according to the problems encountered by office users in the actual office process, so as to ensure the safety of office data to the greatest extent. On the other hand, the relevant technicians should also investigate the users' office habits when they carry out technical processing, so as to optimize the operation interface and tailor the office user's own office interface. A typical mobile office networking architecture is shown in Figure 1.

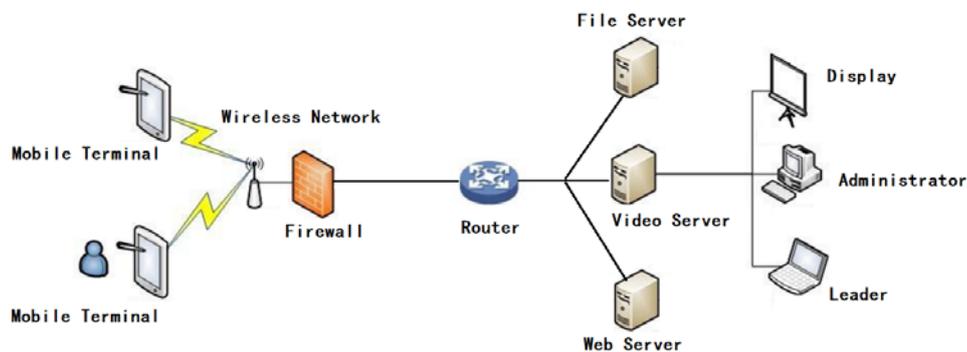


Fig.1 Network Diagram of Mobile Office

Because we are now in the era of data media, science and technology have profoundly affected all aspects of our lives. We should make full use of this advantage to improve the efficiency of office data transmission, and use the form of network meetings to reduce office costs and improve office efficiency.

4.3 Strengthening the network control of office system.

The office system in the era of digital media is different from the network office system in the traditional form. The mobile office system can be roughly divided into the following levels in terms

of structure. The different levels depend on each other and interact with each other, which together constitute the mobile office system. Strengthening network control is particularly important in mobile office system, so relevant technical staff should strengthen the security control of firewalls and related network gates to ensure network information security to the greatest extent.

4.4 Establishing and improving the collaborative office system.

Mobile office system contains a complete cooperative office system, which includes the following aspects. First, the interface presentation layer. When designers design the system, the main purpose is to facilitate users to share information with each other. Sharing function is mainly realized through e-mail and other related functions. Secondly, the middleware layer, whose main function is to provide users with information search, lays a solid foundation for the development of related office business. The last layer is the underlying data layer, which is responsible for data integration, conversion and storage.

4.5 Strengthening system safety design.

Under the background of digital media era, the safe operation of mobile office system is a key factor, so the first thing relevant technicians should do is to ensure that the mobile end of the mobile office system can operate safely, while the mobile office system meets the security standards, security protection settings should also be carried out. On the other hand, data identity authentication must be strengthened. Users can only enter the mobile office system if they are authorized. We are now in the era of digital media. Wireless networks and mobile networks bring possibilities for mobile office systems, but also have potential risks. We should strengthen technological innovation and provide office staff with a dedicated channel. In order to ensure the safe transmission of office information. It is worth noting that we also need to establish early warning mechanism for network security, including intrusion early warning mechanism and network virus early warning mechanism. For example, we can detect the security of information. If we judge that there are potential risks in information, then we will take corresponding security measures to ensure information security. Only in this way can we ensure information security. Ensure office system security effectively. In addition, it is necessary to strengthen data security monitoring, because some security threats are potential, we can not take potential threats lightly. One of the effective ways is to establish a database. When office workers work in peacetime, in addition to dealing with physical threats, we should timely carry out important data. Backup, which can reduce losses to a certain extent even if there are unexpected circumstances. The arrival of the digital media era brings us unlimited opportunities, but there are also huge challenges. At the same time, we should pay enough attention to network isolation, timely virus detection and detection of mobile office system, combine the preventive measures and management measures of network virus, timely upgrade and update the mobile office system, to the greatest extent possible. Guarantee information security.

5. Conclusion

With the continuous progress and development of society, digital media technology has also made considerable progress. Mobile office system based on digital media era has broken the limitations of traditional office time and space, greatly improved office efficiency, but also saved resources, and to a certain extent, protected the environment. But opportunities and challenges always coexist. We should continue to work hard to strengthen the construction of mobile office system and maintain information security. Only in this way can we constantly adapt to the development of the times.

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