

Application analysis of computer information management in communication engineering planning

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Abstract

In the process of people's communication and contact, the role of communication engineering can not be underestimated. It is also the main component in production. In this case, we should strengthen analysis in planning and effectively integrate computer information management into it. Based on this, this paper takes computer information management as the key research content, and expounds its specific application in communication engineering planning, in order to provide help for the construction of related projects.

Keywords

Communication engineering planning; information management; Computer application; Engineering project analysis.

1. Introduction

The development of communication engineering has obvious practical significance, which has laid a solid foundation for people's production and life, especially in national defense, military and other related fields. Based on the current development of computer network technology, the introduction of computer information management into communication engineering planning can further promote the development of communication engineering projects and comprehensively improve the operation security and stability of communication engineering. Therefore, it is of practical significance to deeply study and analyze the application of computer information management in communication engineering planning.

2. Application of computer information management in urban mobile communication engineering planning

In the communication project, urban mobile communication is an indispensable part, and the effect of urban mobile communication planning will have a corresponding impact on the construction quality of communication engineering. Therefore, the role of urban mobile communication planning is very important. The computer information management is introduced into the urban mobile communication, and the real-time supervision and control of the urban mobile communication is carried out, which is concentrated in the aspects of filling up the telephone card, applying for the telephone card, handling preferential service, consulting communication records and so on. Figure 1 is the corresponding service logic of urban mobile communication. In the process of applying computer information management, the work in urban mobile communication engineering is more intelligent and automatic, and the problem of waste of human resources in urban mobile communication is effectively solved. And the time to solve the problem is significantly shortened, which provides a necessary guarantee for the optimal development of urban mobile communication.

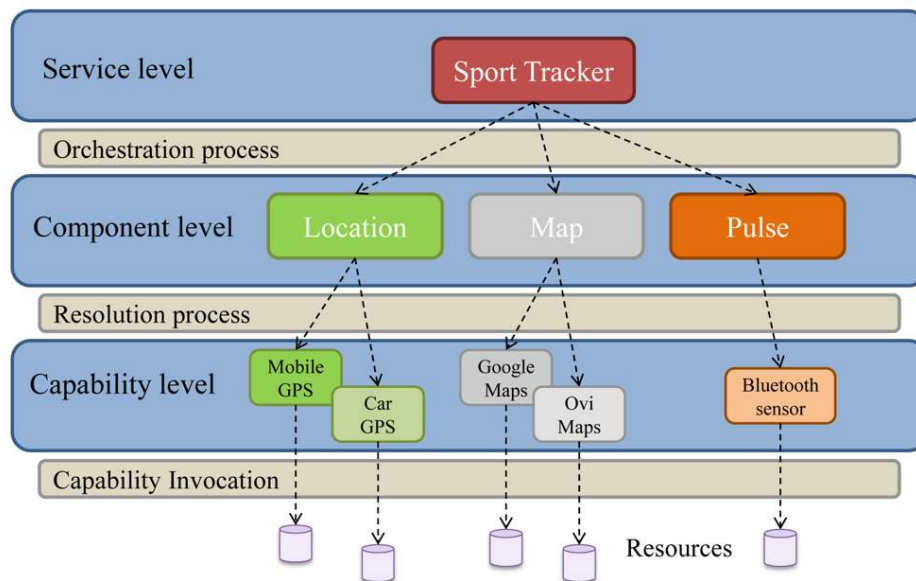


Figure 1. Service logic architecture

3. Application of computer information management in postal facilities planning

3.1 Design and improve the postal hub

The postal hub occupies a basic position in postal communication. The key work of introducing computer information management into postal facility planning is to design and improve the postal hub [2]. Among them, computer information management postal hub is essentially the construction of computer information management system.

As a staff member, to transfer to the system the information content obtained from the postal hub field trip, and the system can automatically design the postal hub, develop a more sound and perfect program, and better implement the postal hub design and improvement work.

3.2 Connecting the central area and surrounding areas

Organically connecting the communication between the central area and the surrounding areas provides the necessary guarantee for the realization of postal communication, making the communication between cities, villages and urban and rural areas more smooth. With the help of computer information management, connecting the central area and surrounding areas significantly improves the quality of the connection, and continuously strengthens the stability and security of the connection. In the actual management process, the relevant staff will input the surrounding area settings and relevant information content to the computer information management system, and the system will automatically connect the line to transmit the information of the surrounding area to the central area [3]. In other words, computer information management belongs to the transmission medium, which can connect the central area and surrounding areas.

3.3 Comprehensive protection of postal facilities

Through the use of computer information management, postal facilities can be protected, the utilization rate of human resources can be reduced, and the security and stability of postal facilities can be enhanced. In the actual management process, it is necessary to input the relevant information under the normal operation conditions of postal facilities in the computer information management system. When supervising and monitoring postal facilities, if problems are found in postal facilities, the computer information management system will immediately take protection instructions to control the faults of postal facilities, so as to avoid serious damage caused by the expansion of faults.

4. Application of computer information management in urban telephone system planning

Under the background of modern communication, the basic function of telephone system is gradually revealed. If the quality of the telephone system is not ideal, it will directly affect the information transmission and communication between people. The communication system service delivery and consumption platform is designed for the user's mobile device and consists of a set of subsystems (see Figure 2) that perform functions such as orchestration, parsing, and capability calls. Therefore, the telephone has developed into people's daily communication tools, for the smooth communication of electricity to provide the necessary barriers. Under such circumstances, it is necessary to introduce computer information management into communication engineering planning and strictly supervise and control the telephone system.

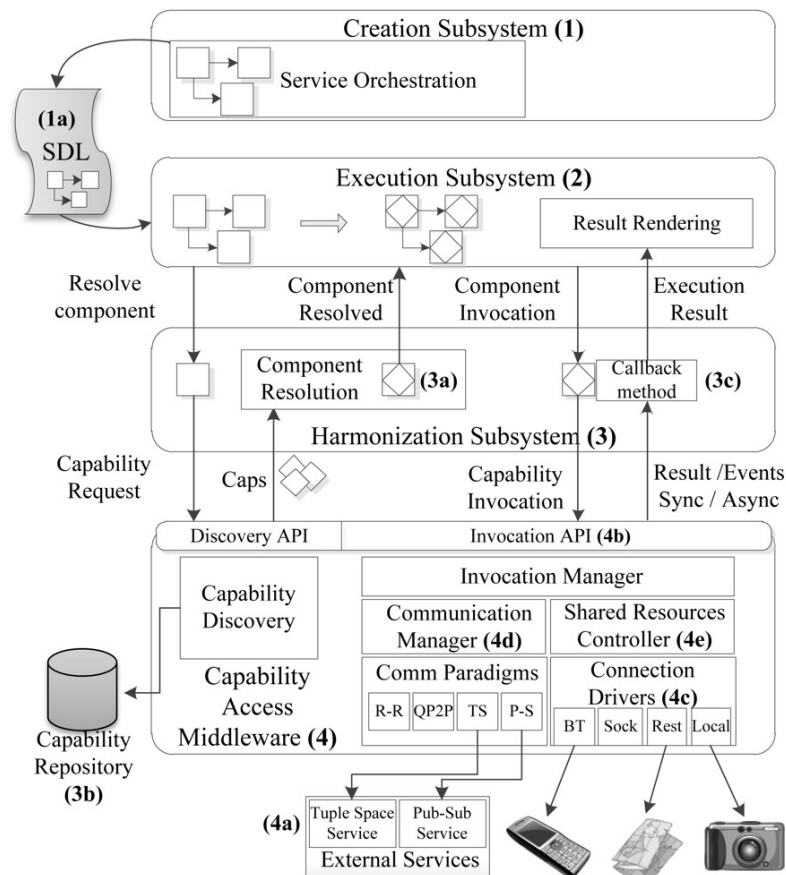


Figure 2. Overall architecture of mobile communication system

4.1 Handle fixed telephone

Handling fixed telephone service is the basic requirement for the opening of fixed telephone. In the actual process, users are required to provide necessary information, such as residential address and ID card. When carrying out this work, the main goal of introducing computer information management is to improve the accuracy and efficiency of handling fixed telephone, and effectively avoid unnecessary trouble and adverse impact on user use effect [4]. The process of handling fixed telephone business with the help of computer information management is to input the user's data information in the computer information management system, and the system will automatically complete the relevant work of fixed telephone handling, and comprehensively enhance the accuracy and efficiency of fixed telephone handling.

4.2 Repair fixed line telephone fault

In the process of using fixed telephone, fixed telephone failure can not be avoided. The reason for the failure of fixed telephone is that the user's use method is incorrect, or the use time is too long, resulting in damage or aging of some parts of fixed telephone. Computer information management is applied to the process of repairing fixed telephone faults. As long as the telephone fails, call the customer service telephone and provide the fixed telephone number, the system can send automatic instructions in time and arrange corresponding maintenance staff for maintenance. In this way, the steps of fault maintenance of the original fixed telephone are obviously simplified, which is feasible and efficient.

5. Application of computer information management in urban radio and television facilities planning

Urban broadcasting is the "flavoring agent" of people's daily life, which can effectively grasp the events in life. As we all know, radio and television have been developing for a relatively long time, older than computers and telephones. Although the level of information technology in modern society has improved significantly, radio and television has always existed, and shows the trend of comprehensive innovation and development. Therefore, the coverage of radio and television facilities is extensive and the amount of information is relatively large. However, there are still some development problems in radio and television, especially the failure of radio and television. Under such circumstances, the planning process of urban broadcast television facilities should be given the necessary attention to ensure that the problems in radio and television facilities are dealt with and controlled. To this end, the importance of computer information management gradually highlighted, through the use of computer information management, radio and television facilities can be dealt with, scientific and reasonable planning of urban radio and television facilities, to ensure that its application in the network system more secure and stable. In this way, along with the use of computer information management system, the number of information to the user's communication will be more timely and accurate, step by step to promote the comprehensive planning of urban radio and television facilities.

6. Conclusion

To sum up, under the background of the information age, the important role of computer information technology is becoming more and more obvious. The application of computer information management in communication engineering planning can effectively standardize and efficiently plan the construction object of communication engineering, and provide a valuable reference for the systematization and scientization of communication engineering construction. In the above, this paper expounds the specific application of computer information management in communication engineering planning from multiple angles, hoping to provide necessary guarantee for the comprehensive and sustainable development of communication industry.

Acknowledgments

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