



ADVANTAGES OF CLIENT-SERVER ARCHITECTURE FOR ELECTRONIC DOCUMENT MANAGEMENT SYSTEMS

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Abstract

This article provides information on the important advantages of document management systems and client servers for them, the easy increase in the number of EDMS users, and the development of updates for document management systems and the theoretical foundations of research.

Keywords: Conceptual, electronic document, databases, server, EDMS, company, information retrieval, processing and storage.

Introduction

Conceptually, this software structure involves the separation of data storage and processing functions. In the case of electronic document management systems, these electronic documents (databases) are stored on a dedicated server, which means that users can access them using software installed on the clients' computers. In this case, the exchange of data between the server and the client can take place both over local networks and over the Internet.

The client-server architecture of the electronic document management system has a number of advantages, including:

Ensuring the security and integrity of the database stored on a dedicated server;





High resistance to failures: problems with the operation of client programs do not interfere with the work of other users and do not threaten the integrity of the data stored in the database;

The load on data exchange channels is reduced, which allows a large number of users to work with the database;

The number of EDMS users can be easily increased: it is enough to install client software on the machines of new users;

data stored on a separate server can be easily protected from unauthorized access by restricting user rights.

In addition, the client-server architecture adds the necessary flexibility to the electronic document management system. Different client programs are used for different professionals, which differ in functionality and interface, which makes it easier and more efficient for users to work with EDMS.

Disadvantages of client-server architecture include high demands on the reliability and performance of server machines, which increases their cost.

Develop updates for document management systems.

The work process of any organization reflects and accompanies its activities. EDMS needs to adapt quickly to changes in enterprise operations. This is partly done through regular software updates.

Typically, scheduled updates are released quarterly. The following are taken into account in their development:

ideas from software sales staff;

Reviews of EDMS users and their experience;

Information about errors detected in the previous version of EDMS;

marketing research results and customer preferences;

current trends in the design and use of computer programs.

Each new version of EDMS is thoroughly tested before release. At the same time, changes and additions will be made to the technical documentation to help users master the new features of the program.

Experts from the development company will help users install updates if needed.

The need for automation of document flow by different organizations today they see differently: some - to increase the efficiency of organizational and administrative document flow, others - to increase work efficiency. . The division of these views Problems with documents are determined by the role and importance of documents, the size of the organization, management style, industry-related organizational activities, the general level of technological maturity and many other factors.





Therefore, for some, the document can be, for example, a basic management tool, for others it is a means of production and a product.

The activity of any modern enterprise is accompanied by a huge accumulation of funds, often with a heterogeneous structure and a volume of data that does not justify the simple collection. As a result, managers find it difficult to draw meaningful conclusions from existing data. inevitably complicates the adoption process. Data sets require special mining tools to work effectively with.

Conformity analysis led to the selection of the research topic: "Automated system of online electronic document management.

The research hypothesis is that document-based information systems, regardless of what the interest is, begin with the selection of all organizations. A compatible system from the myriad of systems available on the Russian market.

The purpose of the research is the development and implementation of online automation - electronic document management systems, content management systems, the development of electronic business processes, the analysis of the system of intellectual document management. To achieve this goal, the following tasks must be solved:

- Research and rational selection of analogues of electronic systems business process
- Development of an online automated electronic document management system
- Development of methods, algorithms and tools for data mining management
- Development, substantiation and testing of electronic system architecture business process
- Introduction of content management system
- Experimental verification of the developed system functions

The object of research is an electronic document management system

The research topic is management documentation

Research methods include:

- 1) methods of working with electronic documents;
- 2) methods of information retrieval, processing and storage;
- 3) methods of automating the solution of various functions of office work;
- 4) methods of data mining;
- 5) methods of checking the value of electronic documents.

The theoretical basis of the study was:

- Documentation of local and foreign research management activities on labor organization;





- An enterprise that uses electronic document management with modern concepts that reveal the essence of modern activities.

When the theoretical and practical significance of the work is developed, the electronic document management system can be combined with the content management system, ending with a commercial proposal and implemented in the enterprise.

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