windream Proxy-Server

Efficient enterprise content management in decentral organizations

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Even in times of modern and powerful fibre optic cables many enterprises still exchange documents and information via narrowband connections like e.g. analog telephone cables; either because high-speed network connections cannot be established due to individual geographical situations, or simply because of high investment. Frequently, these companies are organized as decentral organizations and maintain a wide-spread network of distributed branches.

However, competitiveness requires to access internal information very quickly. But narrowband cables are not only a real disadvantage in providing business-related information. The efficient management of business processes is delayed, too. The solution of this problem is called windream Proxy-Server. windream Proxy-Server can organize data traffic in low-performance networks in a way that information exchange is processed on a virtual data highway very efficiently via powerful intermediate storage sectors used as cache. Proxy-servers are an ideal tool to use this cache efficiently, because they organize the complete traffic between headquarters, branches, offices, departments and divisions automatically and without requiring expensive hardware equipment or administration efforts.

The windream proxy-server has especially been designed for this specific purpose. Connected to the windream ECM-system, it grants geographically separated company branches a totally uncomplicated information management, which is a must for effective business. However, this is not only important for information access and distribution, but also for a targeted and quick information retrieval in the collected knowledge of all enterprise divisions involved in the business processes. And this is even completely independent of the number of users who are currently logged-on to the system.

Cache functions. Using the windream Proxy-Server will organize the data traffic via cables between the decentral proxies and the windream ECM main server or between windream clients and servers in a way that common windream client workstations can be used. Users cannot see whether an „actual" windream server or „only" a proxy is connected to the system.

The basic principle of the windream Proxy-Server is that it is based on a cache for windream ECM-objects. Objects are not only documents with their attributes (metadata), but also the internal objects of the windream ECM-kernel like e.g. document and folder types, masks, attributes of an object type etc.

Questions and answers – completely automatic. In case an object or a document is requested by a client, the client will address its request to the windream Proxy-Server. The proxy will check whether the binary object is contained in the cache and in its current version. If the binary object is in the cache, it will be made available to a user with the associated application immediately. At the same time, it will be locked in the central archive of the windream ECM-system to prevent a competing access by several clients. This way, the proxy-server will avoid possible data inconsistency without any further manual entries by a user.

If the binary object is unavailable in the cache of the windream Proxy-Server, the proxy will request it from the central archive. The binary object can now be opened with the associated application as usual, and it will be locked for the period of time it is edited. After editing, the proxy-server will make the binary object available again to other users and will unlock it. At the same time, the object is stored in the cache to make it available to all other users, if desired. An intelligent business logics synchronizes the objects in the cache with those versions stored in the central archive, so that objects in the cache and in the central archive are always up to date.

A proxy server is accessed by a client in the same way a client accesses the actual windream main server. Thus, the windream Proxy-Server provides the same interfaces as the windream ECM-service and allows users to work via the windream interfaces in a transparent way. The windream Proxy-Server can operate under windream 4.0 or higher as a client/server system. The windream Proxy-Server and the windream main server must be installed on separate computers.

No further investment. The windream Proxy-Server allows companies to establish efficient and cost-effective data connections without high expenditures. Especially companies and organizations operating in several geographically separated branches gain substantial profit from the performance of proxy-servers.

Besides the fact that a proxy-server enormously speeds up the data traffic between company branches, an effective data exchange will even and first become reality by using the proxy-server.

Performance features:

- Efficient use of cache storages for data transfer

- Quick availability of documents at decentral locations

- High-speed enterprise content management even via narrowband cables

- Intelligent business logics for synchronizing cached documents

- Cost-effective and low administration efforts

Rely on the Technological Market Leader

If you plan to invest in an innovative, efficient and easy to handle ECM-system, or if you need further information on how to optimise your business processes concretely, we should get to know each other.

In the market sector of ECM-software suppliers, windream GmbH is the technologically leading manufacturer. With the windream ECM-system based on the patented Virtual File System technology (VFS), we have created an unrivaled tool for administering your complete company knowledge. Our software is easy to handle, effective, and future-proof. We have 20 years experience in successful software solutions development for enterprises of any size. Medium-sized companies and multinational corporations as well rely on our top quality products and on our technological know-how.

Look and see!

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