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## Information Repository Services

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**REPOSITORY: XCM -- Smart Repositories For Workgroup Support**

Using Xpiori XCM to create “smart repositories” is easy and effective. By smart repository we mean a central aggregation of information to support particular activities with multiple network users having access. Users can add information to store and use it to do their jobs. They access it through free text search and x-query organized through a very logical User Interface that enables searches on text, searches on metadata and combined searches on text and metadata. The returns on the searches are fast.

The “smart repository” can effectively support any type of business or enterprise activity – large or small – and in each case with a significant ROI. Consider the following functions in addition to the search:

Put information derived from search results to other activities into Research Folders. Research Folders can be created ad hoc or according to a plan. Research folders are “virtual” in nature—an aggregation of links to original documents or other digital assets but with appearance in the folder as if they were physically present. Rely on original documents – not copies – and avoid the problems created with multiple copies on multiple versions.

Add your thoughts and other information, and as much and as many as you want, about the documents or the folders to Annotations that permanently are associated with the document or folder. These are rich text files to which you can add or copy unlimited amounts of new information, including pictures and other digital assets, to create knowledge and context.

While XCM carries forward the standard meta-data such as file type, guid, etc., create and add other types of metadata to help further place the document into the context of the subject matter – kind or category of information – or into the context of the enterprise – client number, file number etc.

Extract the information that you need from Research Folders with a single click to your hard drive or other destination on the network.

Create repositories to support transitory activities or to create a knowledge base around a business activity. Do it easily and quickly from any desktop to aggregate information and share it with your colleagues. You can add the “smart repository” capability by adding XCM as an appliance on your network without disrupting any other network activity. All or designated users can be given access. Role based access control is available.

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**SMART REPOSITORY: For Developers -- Using XMS for Creation of Smart Repositories for Management of Digital Assets**

For application developers, Xpiori XMS offers significant advantages over traditional database technology with digital assets including such items as information from video surveillance systems. A wide variety and ever changing variety of information can be captured. This information comes from standard logging of date, time, and place from where the digital assets might be created or stored. For example with video surveillance systems, it might come from bio-metrics information captured from the analysis of the video surveillance along with other automated analysis and, perhaps, forensic analysis of the video surveillance media. It is critical for the underlying information management system to adapt to and work with the ever changing information content produced.

XML provides a readily adaptable and expandable information model; and Xpiori XMS processes and manages XML in its native format without requiring any database design or mapping to database tables. This means that Xpiori XMS naturally handles the ever changing, wide variety, information content produced. XMS is a native, fully transactional, XML database that consumes, efficiently stores, and manages information in an XML format in a way that produces powerful access to all the underlying information. Xpiori XMS's patented database and indexing technology handles information and generates relationships between information in ways that are unrivaled in the market place. Xpiori has built analysis tools on top of XMS that discovers relationships and correlations between and within information stored in XMS that ideal for discovering information captured from various sources.

Digital assets may be stored in a separate media server referenced by information contained within Xpiori XMS or may be stored directly within XMS. Xpiori XMS contains a very efficient binary object store that will handle all types of binary information. The binary information is passed outside of the XML structure using the XOP standard. This eliminates all the overhead of the binary information being transformed into a parser friendly formation and the information from being processed by an XML parser. Binary information is piped directly into and out of XMS with very little overhead.

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