



XMS Frequently Asked Questions and Features & Benefits

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Xpiori technology is protected by the following patents:

US Patent #5,742,611 (21 Apr 98)

US Patent #5,942,002 (8 Aug 99)

US Patent #6,157,617 (5 Dec 00)

US Patent #6,167,400 (26 Dec 00)

US Patent #6,324,636 (27 Nov 01)

US Patent #6,493,813 (10 Dec 02)

US Patent #6,792,428 (14 Sept 04)

Other U.S. and international patents pending.

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LINK	ASSOCIATED TEXT FOR POPUP BOX
What is Xpiori XMS?	Xpiori XMS is a native XML database and XML management system that supports the storage and retrieval of XML documents. Accessible as a web service, XMS is designed to easily extend the power of applications that use XML.
How can my company take advantage of XMS?	<p>If your company is using XML for Information Exchange or if Web Services are part of your future, XMS provides all of the features you need to manage your information. XMS has the ability to store and manage XML messaging schemas, as well as store the XML messages themselves, offering excellent logging, auditing, and production support capability.</p> <p>If your company is overwhelmed by document management issues, XMS will store those documents with ease while at the same time automatically indexing every attribute and node value within that document. This ensures that every important piece of information is available and ready for highly optimized search and retrieval.</p> <p>XMS is perfect for companies who use rapid application development (RAD) to meet customer needs. By taking advantage of the self-describing nature of XML, XMS eliminates traditional database construction, and design efforts. Why? Because structural changes to XML documents are supported seamlessly, requiring no database redesign or re-indexing instructions. The result? An application that is highly adaptable to continually changing data requirements.</p> <p>So, wherever XML is taking your company, XMS has the capability to get you there.</p>
Why should I trust my XML Data to XMS?	<p>XMS is a feature rich, mature native XML database that provides all the basic database functions and supports development of applications that leverage your XML information.</p> <p>Of course XMS provides the basic functions expected in a data management system: Store, Query, Insert, Delete and Modify. It also provides access control at the document and element level.</p>
Queries	XPath and XQuery-like syntax expressions will return all XML elements that meet the specified criteria. XMS also provides additional features that enhance the performance of queries. First, a data type can be associated with any XML element. This means that document searches are not limited to text comparisons but can use expressions that contain values of different data types. As a result, elements, which have values that would confuse a basic text comparison, can be easily identified. For example, the query, /ND/Person[Personal/Height=70], is not looking for text value of "70", but the rather the number 70 (in units of inches). This means that an element node value of 70.0 would be selected by the example query even though they are not identical from a textual point of view. This support of data types also allows XMS to handle range queries that use greater than or less than operators.

	is an index that arranges a node's data values in increasing order. Enabling value indexing on a node allows range queries to be handled in a much more efficient manner.
DBA Tools	<p>XMS provides the comprehensive Database System Administration tools, procedures, security and performance you'd expect from an enterprise ready DBMS.</p> <p>With XMS, database administration is supported by both an interactive Web application and by a command line interface. Functions to manage your XML Database include DB creation and deletion, DB backup and restore, Data Export and Import, and Server Statistics Monitoring. Also available is a utility to perform hot backups, and a data migration interface to existing databases.</p>
Security	Security is supported by extensive access control at the group and user level. Users and/or groups can be added, deleted or modified with permissions applied to global, document, or node level access. Specifying IP addresses and X.509 certificates may also be used to limit access.
Performance	Performance tuning is available to provide optimal Disk I/O, Memory, and Data Dictionary configurations. Performance is enhanced thanks to auto-growth functionality, full multithreading capability and concurrent session support. Complete transactional ACID (atomicity, consistency, isolation, and durability) support ensures that data integrity is maintained.
System Support	<p>Developers have their choice of XMS API's upon which to build applications. This includes a JAVA API, C++ API, .NET API, a COM Wrapper API, and WebDAV or using XML directly through HTTP(S) / SSL. Major OS support includes:</p> <ul style="list-style-type: none"> • Windows 2000 (32 bit) • Windows XP Professional • Windows Server 2003 (32 bit) • Redhat Linux 9.0 (32 bit) • Solaris 2.8, 2.9 (64-bit)
Blob Storage / Binary Objects	The W3C established a new recommendation (XML-binary Optimized Packaging or XOP) for passing Binary Objects outside of the XML document. This method provides an efficient mechanism for handling binary objects such as picture files, music files, and a wide arrangement of other binary files. XMS contains binary dictionaries and methods for capturing, storing and retrieving binary objects using the XOP format.
Namespaces	XMS handles namespace in a more efficient manner internally. Changes here were required to support Typing.
Insert and Modify Commands	Powerful insert and modify commands add strength and power to XMS, allowing the user to add to or modify the structure and contents of xml documents contained within the database.
Mature Product	XMS is a mature and stable product. XMS was first introduced in the late nineties and has been updated and continually supported by the staff at Xpiori. Support for XMS can be purchased via a maintenance contract or on a per-incident basis. Developer Support includes extensive documentation, examples and tutorials. Partnering and OEM relationships with Xpiori are encouraged and we welcome your ideas.

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