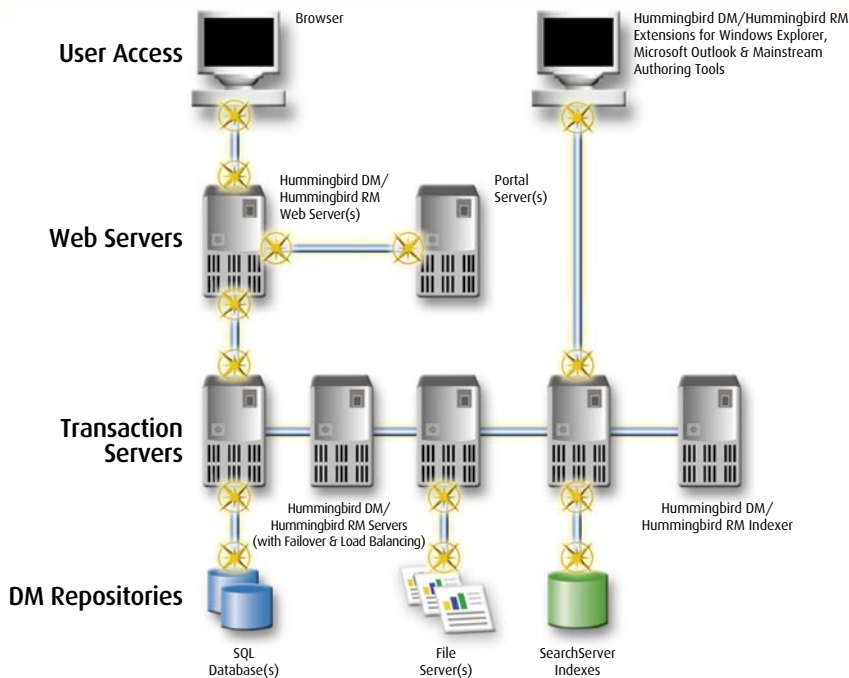# Hummingbird DM™

Hummingbird DM transforms document-based electronic information into knowledge assets by enabling users to capture, organize, find, and distribute content, providing a secure, integrated environment and intuitive interfaces that yield the riches of document experience stored in the banks of corporate memory.

The Hummingbird DM architecture also serves as the Hummingbird RM platform, providing web- and Windows-based users with access to enterprise content repositories via scalable middle-tier transaction servers.

Managing content has become a mission-critical imperative for global organizations. Increasing efficiency and competitiveness while reducing virtual and physical barriers to information sharing — along with reducing costs — are key factors in adopting content management solutions. From electronic documents, e-mails, and multimedia to paper, forms, and records, the complex variety of content types demands a secure, scalable, and flexible environment that enables users both internal and external to the enterprise to catalog, find, and share information.

Hummingbird DM

Hummingbird DM delivers an enterprise-ready platform that facilitates the capture, manipulation, and distribution of knowledge assets. Harnessing these assets, people can make fast decisions in rapidly changing business environments by leveraging not only their own experiences, but also the collective expertise contained in Hummingbird DM repositories. Extensible components simplify users' tasks and seamlessly connect the integration dots on their behalf so that content is also accessible from key corporate systems such as portals and enterprise resource planning tools. Add Records Management to enable content governance while minimizing risk — plus companion solutions for Collaboration, Web Publishing, Workflow, Imaging, and Engineering file management — and organizations are poised to influence their tomorrow based on today's content resources.

New in this Version

Hummingbird DM Server Content Cache
Optional module supports centralized repositories by providing remote offices with quick, reliable, and local access to enterprise content, reducing transfer time over wide area networks and giving users faster access to the information they need.

Reporting
Hummingbird's own reporting solution, Hummingbird BI Query™ is now included with a variety of customizable reports for analysis and auditing of content assets. Administrators design reports using a supplied datamodel mapping of the Hummingbird DM library schema, and report results can be saved into the repository.

Performance Improvements
Administrators can tune users' Web and Windows environments to more effectively leverage workstation resources. Improved performance is achieved with search results and common graphics buffered for Web users, while Windows workstations can now cache frequently utilized system information.

New Network Support
Hummingbird DM is able to synchronize with LDAP directories to import users and groups. LDAP support has also been incorporated into the Auto-Login and single-sign-on functionality for user authentication.

Transforming Information into Intelligence™

Hummingbird®

Key Attributes

Ubiquitous Client Interfaces: The Hummingbird DM Webtop provides hierarchical content views that support drag and drop operations and application integration. The Hummingbird DM Extensions remove training barriers by providing document management features from within familiar interfaces, including the Windows Desktop, Windows Explorer, Microsoft Outlook, and mainstream authoring tools.

Simplified Deployment and Administration: A web-based Deployment Tool designs component packages that setup and enrich the content experience and minimizes the need for administrators to visit workstations during system rollouts. Installations can be achieved by web download, physical media distribution, login script, or push technology like Microsoft's SMS.

Scalable DM Engine: Hummingbird DM Server is a high performance, multi-threaded transaction platform that connects to DM repositories throughout global organizations. Its system fault tolerance features for Failover and Load Balancing ensure consistent availability for users to accomplish their content-related tasks, while compression routines enhance system performance during file transfer.

Advanced Search Technology: Hummingbird's SearchServer™ is embedded for advanced indexing and search services that simplify common and complex user queries to yield intuitive, consolidated results. The DM Indexer can generate multiple indexes for use should the primary index become unavailable, or to distribute queries for maximum performance gains — with support for more than 15 languages.

Customizable Security Model: Role-based groups with granular permissions control which users can create, search for, and manage content assets. Exclusionary security options dictate who can access documents, and simultaneously lists users for whom access is denied. "Published" versions of documents are accessible while authors revise and evolve them behind the scenes, and "read-only" settings protect content that should be retained in corporate memory.

Advanced Compound Document Management: Improved organizational and referential integrity elements are delivered through Folders — navigable, profiled content structures made up of managed physical and electronic items of all media types. "Where Used" functionality tracks how items are utilized in folders across the enterprise.

Unique Forms Design Tool: The Hummingbird DM Designer enables rapid customizations of database structures and forms, simplifying the design of repositories for metadata capture. Administrators can configure different forms used in saving, searching, and viewing query results to meet different groups' requirements, with enterprise-wide schema and form replication.

Fully Integrated Records Management Solution: Hummingbird DM is the platform for Hummingbird RM,™ a seamlessly integrated solution that creates a secure environment to manage and protect the complete lifecycle of corporate knowledge assets — from creation to ultimate disposition — and approved to meet the U.S. Department of Defense (DoD) Records Management 5015.2 standard.

Seamless integration with other Hummingbird Solutions: With Hummingbird DM evolving content to a final state, and Hummingbird RM to manage content retention and governance, other solutions for imaging and workflow, as well as for content analysis, collaboration, and publishing, serve as key components of the Hummingbird DM Suite. Extending this foundation, Hummingbird also offers a Portal and Knowledge Management Suite to access, integrate, aggregate, and categorize not only documents and records, but all forms of enterprise information, both structured and unstructured.

System Requirements and Supported Platforms

DM Server and DM Web Server
- Processor: Dual Pentium III 600 or greater recommended; Pentium III 600 minimum
- Operating Systems: Windows 2000 Server/Advanced Server, Windows NT Server 4.0 SP6A
- Memory: 1 GB or greater recommended; 1 GB minimum

DM Web Server Platforms
- Microsoft Internet Information Server (IIS) 5.0 and 4.0
- iPlanet 4.0.1 and 4.0

Supported SQL Databases
- Microsoft SQL Server 2000 and 7.0
- Oracle 9i (9.2.0) and Oracle 8i (8.1.7)
- Sybase System 12.5 and 12

Document Servers
- Windows 2000 Server/Advanced Server, Windows NT 4.0 SP6A
- Novell NetWare 6.X and 5.X
- UNIX Generic using Hummingbird NFS Maestro™ for Connectivity

DM Webtop and DM Extensions Workstations
- Processor: Pentium III 600 or greater recommended; Pentium III 500 minimum
- Operating Systems: Windows XP, Windows 2000, Windows 98 SE, and Windows NT 4.0 SP6A
- Memory: 256 MB Recommended, 128 MB Minimum
- Browsers: Microsoft Internet Explorer 6.0 and 5.5, Netscape 7.02
- Java and JavaScript support is required in all browsers

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