

# EMC Documentum Federated Search Services

**Boost productivity with quick access to relevant information residing in an unlimited number of sources**

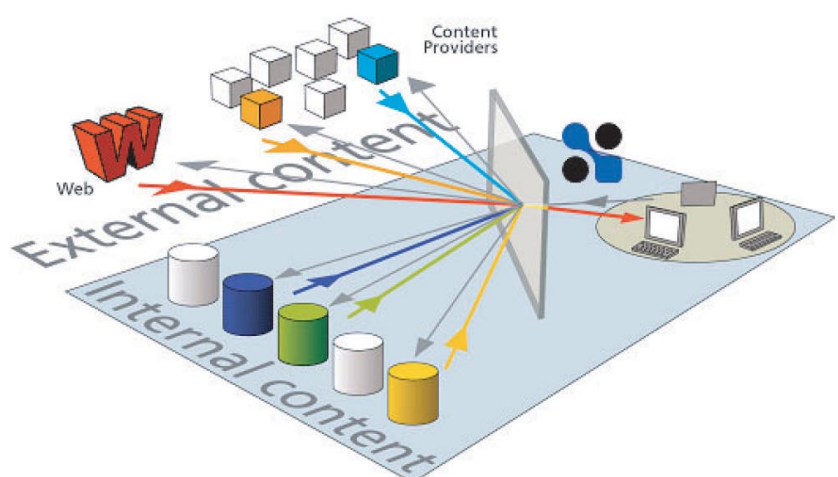
## The Big Picture

- **Speed:** Single query provides quick access to relevant information in an unlimited number of sources
- **Efficiency:** Leverages indices and security models of the information sources being queried
- **Extensibility:** Adapter framework enables rapid connections to additional sources
- **Ease-of-use:** Search results dynamically and intuitively organized for smart navigation

EMC® Documentum® Federated Search Services is a suite of products designed specifically to address one of the most frustrating problems knowledge workers experience each day: the inability to find relevant information quickly. The problem has grown acute, especially with the proliferation of Web 2.0 tools and the steadily increasing volume of information residing inside and outside the organization that must be accessed frequently. In fact, IDC estimates that knowledge workers spend as much as 20 percent of their average work week just searching for information such e-mail and basic documents.<sup>1</sup>

## Make global knowledge accessible locally

Federated Search Services provides knowledge workers with realtime access to a world of relevant information in a quick and efficient manner, while avoiding unnecessary costs and risks. Federated Search Services is comprised of two server-based components, the Federated Search Server and Federated Search Adapter Packs, and two client-level options, Webtop Federated Search and Discovery Manager, to enable organizations to quickly search for and discover information stored in a myriad of sources and data formats.



*Federated Search Services leverages the local search capabilities of each source to deliver realtime access to ever-changing content.*

<sup>1</sup> Proving the Value of Content Technologies Study, IDC

## Federated Search Server

Most search solutions create master indexes, which are resource intensive and, because they represent a static view of ever-changing information, may be out of date as soon as they are built. Additionally, such solutions typically require IT to manage the security permissions for each source being queried to ensure users do not gain inappropriate access to restricted information. By contrast, the Federated Search Server manages federated searches through a query broker and source adapters to provide relevant search results in real time, while leveraging, in real time, the local index and security permissions of each source being queried. The result: the most relevant and secure realtime search results, which are organized in an intuitive manner.

### Key features

- Quickly access relevant information across countless sources with a single query executed from an easy-to-use, web-based interface.
- Search multiple internal and external information sources right out of the box, including Documentum repositories, network file shares, EMC EmailXtender®, EMC Documentum ApplicationXtender®, EMC Documentum eRoom®, Google, Yahoo, and many more.
- Ensure secured access to content by respecting security permissions set at the information source being searched. This ensures that queries return only those search results that the user is authorized to see.
- Retrieve information from sources whether or not they support the Documentum query language. The Federated Search Server adapts the query automatically and performs post-filtering to compensate for sources that do not support a specific operator or metadata.

The screenshot displays the Federated Search Server web interface. At the top, there are navigation tabs for 'Login: guest', 'Domains', and 'Preferences'. Below these are 'Repositories' and 'General' sections. The main content area shows a search query for 'knowledge management' with results clustered by topics. The results table includes columns for 'Title' and 'Overview'. The first result is 'knowledge management' with an overview snippet: '... È questo il knowledge management, veri e propri strumenti di sviluppo e moltiplicazione del capitale inte... / www.isvor.it / Google-Italian [ Snapshot ]'. The second result is 'Data Manager on line' with an overview snippet: '... Dirigere col cuore", ovvero essere in sintonia con gli stati d'animo delle persone con le quali si interagisce, nell'era del Knowledge Management, ... / www.datamanager.it / Google-Italian [ Snapshot ]'. The third result is 'Data Manager on line' with an overview snippet: '... workers al servizio dell'organizzazione 10/04/2002 La società globale dell'informazione 05/03/2002 Il Knowledge Management: 6 prospettive di anal... / 2005-03-14 / www.datamanager.it / Google-Italian [ Snapshot ]'. The fourth result is 'kmb' with an overview snippet: '... Infatti, la metodologia del knowledge management è oggi fondamentale per assicurare una corretta e proficua implementazione di questi processi, ol... / www.jekpot.com / Google-Italian [ Snapshot ]'. The fifth result is 'The Knowledge Management Company, the Joint between Economy, Knowledge, Pathways, Organization and Technology'.

*Results from multiple sources are automatically organized to enhance search relevance.*

## Federated Search Adapter Packs and Federated Search SDK

Federated Search Adapter Packs are sets of out-of-the-box adapters that provide access from the Federated Search Server to information sources by leveraging the native data structure, metadata, or index of the information sources being searched. Each adapter gathers relevant search results, which are then filtered and presented back to the end user in an intuitive manner and in real time. Adapter packs are available as a three-pack, ten-pack, or an unlimited pack.

The Federated Search SDK provides a powerful developer toolkit to customize or create adapters based on industry standards as well as source code and a library of common APIs, including a Java API to customize the Discovery Manager client for bespoke applications.

### Key features

**Adapter library:** Out-of-the-box source adapters, including adapters for government and industry databases, local content archives, enterprise applications, web services, or bundles of adapters for Pharma and Science. See [www.EMC.com](http://www.EMC.com) for the most up-to-date list of out-of-the-box source adapters.

- Enterprise repositories include ApplicationXtender, Documentum 5, eRoom, EmailXtender, FileNet Panagon Content Services, IBM Lotus Domino/Notes, Microsoft Office SharePoint Portal Server, OpenText LiveLink, Oracle Database, Symantec Enterprise Vault (KVS), and several others
- Internet search engines include Autonomy, Google Search Appliance, Google.com, Yahoo, Microsoft Index Server, OpenDirectory, and several others
- Technology standards include HTTP, JDBC/ODBC, SOAP, WebServices, Z39.50
- Content providers include Factiva (news), IDRAC, LexisNexis (news and legal)

## Improve search results by adding intelligence to information

With EMC Documentum Content Intelligence Services added to the Documentum Content Server, content metadata can be further improved, helping to produce even more precise search results.



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### Take the next step

To learn more about EMC Documentum Federated Search Services, visit us online at [www.EMC.com](http://www.EMC.com) or call **1.800.607.9546** (outside the U.S.: +1.925.600.5802).