

IBM Software Demos

WebSphere Portal Search

<Portal Search Engine script:>

(0:02)

IBM WebSphere Portal provides an integrated Search Engine to facilitate indexing and searching for information. The search engine includes tools to categorize, summarize, and index content.

(0:15)

Mike Locker, a portal administrator at JK received an e-mail from Jennifer Miller, in Finance, seeking a solution for her team's requirement to quickly access information on government regulations.

(0:28)

WebSphere Portal can index local documents, as well as Internet content, efficiently applying state-of-the-art search algorithms, to produce high quality search results.

(0:40)

In response to Jennifer's request, Mike creates a new document collection. Collections define groupings of content to be categorized and indexed.

(0:51)

To categorize search results for the new collection, Mike can create a new category set, or use the pre-defined one, which includes over 2300 categories.

(1:02)

He also selects the automatic summarizer, so search results will display excerpts of the document's contents most relevant to the search.

(1:09)

Next, Mike specifies a user-defined category collection, or taxonomy. He names the root of the category tree 'US Securities and Exchange Commission', then adds the sub-categories Jennifer requested.

(1:29)

After creating sub-categories, Mike creates a simple search rule for each one. Search rules control the information that will be retrieved from a site, and qualify documents to be indexed under specific categories. Rules are expressed in the same powerful format as queries. Plus or minus signs can precede words, dictating inclusion or exclusion of documents with those words.

(1:55)

The Manage Rules panel provides Mike with a summary of all the rules used in this collection.

(2:02)

IBM Software Demos

WebSphere Portal Search

Next, Mike specifies the Web location to be indexed for this collection. While adding a target site, Mike can choose from many parameters to optimize the indexing process to his needs.

(2:14)

Workflow is enabled by default, allowing authorized reviewers to approve retrieved documents or update document information. Workflow can be turned off by selecting the option to “add documents to the collection automatically”.

(2:29)

Mike edits the new site to add destination categories. Documents indexed from the site will be associated with the selected categories, according to the rules defined earlier for that category.

<(pause for 3 seconds)>

(2:43)

Index updates can be scheduled hourly, daily, weekly or monthly, providing the ability to keep searches fresh when content changes frequently.

(2:54)

In order to ensure that the Finance staff finds the latest documents, Mike defines a collection scheduler to search on a daily basis at 5:00am, starting today.

(3:04)

The collection and indexing process begins as soon as Mike saves the new schedule. He can view its progress by refreshing the Site Status display in the Manage Document Collection portlet. This administration portlet provides an easy, intuitive interface to access all the tasks required to manage document collections.

(3:26)

Once the collection is complete Mike can browse the collected documents by category.

(3:30)

He can view detailed summaries, or preview any document.

(3:38)

He can also edit the searchable metadata information to improve user search results.

(3:45)

After creating the requested searchable document collection, Mike sets up a portal page for the finance department with a search portlet configured to use this new collection.

(3:55)

Here's Jennifer, who was just notified by Mike that her financial search is now available.

(4:01)

IBM Software Demos

WebSphere Portal Search

Jennifer thanks Mike and navigates to the new search collection page.

(4:11)

Jennifer could browse the available categories but elects to search for the string “Finance Regulations”, which returns 100 documents. To narrow down her search, she adds plus signs making both words mandatory. Adding the word “stock,” preceded by a minus sign narrows the results to only 24 documents.

(4:31)

Each item in the search result includes a summary of the document, the original URL link, category information and the last modified date. In addition, further browsing or searching can be done within the same category.

(4:47)

Advanced options are available for searching on various document attributes like author, title, and description. The search can also be narrowed down by specific document type or by searching only in a specified category.

(5:02)

In this demonstration, we saw how easy it was to create a new search collection targeting specific user community requirements. WebSphere Portal’s powerful search increases employee productivity by greatly reducing time spent searching for information needed to do their job.