DIAMOND
DATA SEARCH

The Problem
Where Did I Read That?

The volume of emails, presentations and documents that comprise today's business environment is overwhelming, and increasing every day. The need for employees to remember the location and format of corporate information places a great burden on resources of that organisation. These limitations, combined with the necessity to actively and explicitly search for corporate information, the tacit knowledge in an organisation, limits the accuracy and efficiency of current techniques.

Today's approach for managing unstructured information includes manually describing or "tagging" information. The process of tagging unstructured information so computers can understand it is very expensive and time consuming. These techniques can only identify and retrieve information using the basic keywords attached to the documents.

Until now, there has been no cost-effective means of providing concept-based search using the context and ideas of everyday communication.

The Solution

Diamond Data Search (DDS) is based on Sybase Search which is an application that automatically processes, analyses and provides the ability to manage and retrieve unstructured information. From emails and presentations, to analysis, reports and Web pages, DDS provides a solution to the issue of unstructured information by providing an efficient means of managing the vast and disparate types of information present in today's business environment.

Diamond Data Search automates the process of locating relevant business information within the masses of unstructured information stored in an organisations centralised repositories, libraries, file systems and existing document management systems.

The Technology

Diamond Data Search technology is based on powerful pattern-recognition algorithms that allow DDS to analyse the concepts inherent in text documents, emails and presentations. This unique technology allows information to be searched, in any language, eliminating the need to learn specific query languages. DDS automates your data management process, freeing users from having to remember the format and location of information and eliminating the need to describe specific meta-data information about the documents.

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Categorisation

A well-thought search and categorisation infrastructure, able to span the proliferation of portals and other enterprise applications, is a crucial weapon for handling the deluge of content in today's corporations. A capable content-management strategy is an important issue for enterprises because there is so much content, and the problem is growing daily. If the enterprise of today doesn't have a sophisticated way of finding that content, the vast investments in the creation of such content can be lost.

Diamond Data Search is a content-based catalog and search tool that allow you to automate the management of virtually all formats of digital content. From databases to documents, and email to presentations, DDS provides an automated and seamless solution to the problem of finding and cataloging your information resources. DDS utilises a number of autonomous agents that automatically analyse, index, and assign the content to subject classes, allowing users to visually navigate to their chosen category with natural language search and "Find Similar" capability.

Intelligent Concept Retrieval

Diamond Data Search technology provides natural language search capability, in any human language and with any business nomenclature. The system matches the concepts specified in the user query to the underlying concepts held within the business data. DDS provides automatic summaries of documents, relevance ranking, term high-lighting and other powerful search capabilities including cross-language search. These capabilities are complimented by additional Boolean, keyword, phrase and meta-data search features to provide a robust and complete information retrieval system

Document Summaries

DDS automatically extracts the most conceptually relevant information from larger documents and then summarises this information based on the concepts provided by the user, providing instant,precise, and relevantinformation.

Find Similar

Diamond Data Search recommends relevant documents, presentations, emails and other business information by using automatic linking mechanism to relate similar information. Similar documents are related dynamically, providing powerful insight and drill-down capabilities between both new and old information.

Automatic Capture and Index

Diamond Data Search application offers automatic aggregation of content. As new documents, emails and other unstructured content arrive into the business environment, the information is automatically captured and made available for searching. DDS allows businesses to enhance their existing technology infrastructure by providing an automated way to capture meta-data while respecting existing document security settings

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