

# THE GILBANE REPORT

Content Technology Works!

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## THE TREND TOWARDS DISTRIBUTED CONTENT MANAGEMENT

There continues to be a lot of discussion about the difference between, and relative merits of, individual content management applications, especially web content management (WCM), and enterprise content management (ECM). Sometimes the debate focuses on a difference of *breadth* of content types, or of reach *across* an organization, and sometimes the discussion looks more at the *depth* of content complexity or reach *into* content supply applications. Each is an enlightening way to draw out issues.

Much of our writing in the last couple of years has focused on enterprise information (or content) integration, and content-oriented infrastructures. These ideas are as important for departmental deployment as they are for enterprise strategies. As you will see when you read this month's article, *Distributed content management* is a concept that incorporates some of the important considerations in the ECM debate, as well as issues that are exposed when you start looking at integration and infrastructure strategies.

Dale Waldt has been involved with very complex content management implementations for many years, and joins us as a contributor this month. Dale builds a case for the inevitability of distributed content management, describes some of the challenges, and provides some strategic advice.

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# THE TREND TOWARDS DISTRIBUTED CONTENT MANAGEMENT

## INTRODUCTION

Organizations of all types, commercial, government, educational, and non-profit entities, create a lot of content. Increasingly it is desirable to retain and manage this information as an information asset for possible reuse. Content can be anything from complex structured documents, to simpler messages, correspondence, business documents, transactions, emails, and the many other documents that workers create, share, transmit, and archive. If an organization can manage their information assets in a meaningful way, that content can provide financial benefits and, therefore, its value increases.

Traditionally, content management systems have focused on the documentation or published product data. These were mainly books and manuals, and so the system of producing these materials evolved from publishing processes and systems. More recently, the content an organization relies upon and hopes to integrate into a content management strategy has become much more diverse. The environment in which it is produced and received can be very heterogeneous, or involve many data formats, processing tools and operating systems.

This article looks at some of the emerging challenges faced by organizations intent on getting more value out of their data by implementing distributed content management tools and strategies. It will describe some of the challenges that are becoming more commonplace in the world of enterprise content management in all its forms. It will also try to offer some help in sorting out how to address these challenges through open standards, tools, and strategies. In order to understand how we got here, a brief evolutionary history is also provided.

## THE EVOLUTION OF CONTENT MANAGEMENT SYSTEMS

Content Management Systems evolved from two directions, publishing repositories and enterprise document repositories. The publishing side has over the years learned how to deal effectively with the complexities of complicated structured information and repurposing content created for one original purpose, print. These systems addressed the issues of constructing complex data structures, validating content against these rules, and transforming these data into a variety of output formats for specific modes of distribution including the Web, CD-ROMs, mobile devices and other platforms.

Meanwhile, enterprise communications tools such as email, forms, records, and the like, while focused somewhat on the document structure, have focused mainly on sharing and replicating data across distributed heterogeneous networks. While structured document systems have mainly dealt with managing the structure of the content, office systems (such as email) have generally focused on reusing data in heterogeneous environments at the expense of document structure.

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In recent years these two approaches have become less mutually exclusive. Email has become more structured. Corporate Web sites are populated by all sorts of corporate documentation which may be stored in a structured database. The frequency of updates, custom formats and content, and changes resulting from increased use and expectations of products on the Web have challenged publishers to become more flexible and build more powerful document repositories. And, large organizations tend to have people distributed in several, if not many locations, complicating the control of and access to information.

The evolution of information systems has created a mixed environment of computing platforms, applications and data formats and standards. Mergers, acquisitions, divestitures, and alliances have exacerbated the complexity of the computing environment in which we create and manage content. These challenges directly affect the value of the information and result in lost revenue opportunities and increased costs for the organizations using these systems. That is why we are seeing interest growing in more integrated data structures and distributed content management systems.

## THE PALEOLITHIC ERA OF CONTENT MANAGEMENT

Publishing systems, as well as email, databases, and other information management systems technology were originally based on the concept of a centralized collection of applications and data usually stored on large mainframes. Most enterprise content was stored in diverse, non-compatible formats specific to the tools that generated it, even if they were managed on the same server. In order for one department to share its information with another, it often was easier to print it out and have it re-keyed than try to interpret disparate character sets, encoding formats, and build conversion programs to modify it electronically. Some of the differences to be resolved when reformatting data for use in another system may be semantic or definitional in nature, while others are simply syntactical. Even data stored in structured databases that has been programmatically converted usually requires the data to be manually reorganized and reworked in order for it to become usable in another system due to the semantic differences in the data definitions and underlying storage models.

Originally publishing systems were called typesetting systems. Typesetting was a craft focusing on the appearance of textual information and illustrations. Meanwhile, computer scientists strove to make the few documents they handled very consistent and simply formatted to reduce the complexity and cost or increase the speed of producing them or the devices that output them. From stand-alone, non-integrated systems and processes, we began to develop ways to make these systems talk to each other. APIs (Application Programming Interfaces) were not as common as they are today.

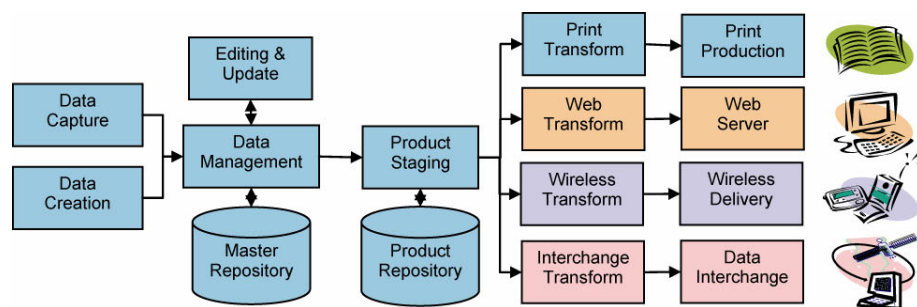
For many, especially publishers, the only commonality was the data, so the direction taken was to come up with data interchange technology. Even character encoding plagued publishers working in different systems and geographical locations. After character mapping tools came structured information tools for data interchange. First generic coding (e.g., 'GenCode') approaches were developed, followed by SGML, and eventually HTML and XML. The data interchange approach resulted in the need to create applications that were occasionally somewhat redundant in each of the processing environments.

For people developing better ways to manage office documents, connecting machines together was the strategy most frequently pursued. This approach meant that the documents had to be much simpler to allow tools to behave similarly in diverse environments. This was the lowest common denominator approach. The interconnectivity strategy relied on plain text documents or proprietary binary formats and managed information at the document or file level. There was little structure below a document that could easily be managed across different office systems. Only a very few select metadata fields would be passed from one operating system to another, such as file size, date, etc.

## MONOLITHIC ERA OF CONTENT MANAGEMENT

IBM and other builders of early publishing systems began to integrate data storage and data presentation technologies. The idea was to put all of your content into a single homogeneous environment on a central server and give select personnel controlled access to editing and production processes and tools used to enhance the content and organize it into a publishing product. These were expensive affairs on mainframes, and usually used by large corporations and government agencies with high-value publishing requirements to match their price tags.

These large monolithic systems were rarely integrated with each other. Content was usually stored in the deliverable format and organization, mainly book or periodical pages, that were difficult to reuse effectively in other formats, such as CD-ROMs or Web pages.



**Figure 1. A monolithic "Single Source" publishing system designed to produce data for delivery in various "consumption" formats is much like a production line used in a factory**

Monolithic approaches to content management are the dominant architecture for publishing systems today. It is often assumed that all users must maintain a live session on the system to use it, all data is to be stored in a central repository, and all users should be limited to an identical set of compatible tools. This approach is much easier for a department where personnel are co-located and working on similar product and data types. This is why it is very common and very beneficial in large publishing organizations that produce a class of magazines, journals books, manuals, or other products.

The monolithic approach struggles to meet the needs of organizations that have to handle a wide variety of data types, formats, and sources. Information coming from outside sources, even other departments in the same organization, may not be subject to the control and standardized formatting of the publishing system.

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For journal publishers, this usually takes the form of prestigious authors using a word processor or some other pet editing tool that they cannot be convinced to give up. Other users may try to integrate email, spread sheets, or other information and may have to resort to a lot of manual data clean up to get it into a presentable form usable in their monolithic publishing system. Ultimately, input tools and processes can be a serious bottleneck and an expensive delay in collecting the data required for a product.

In the late 1990's, as Web content's importance grew, vendors began offering content management systems for Web publishing. Emulating the processes and tools designed to manage print-oriented content, Web CMS systems emerged that were very similar, but with two major differences. The Web CMS systems had none of the print-specific capabilities (page layout for instance), and had added many things needed only for Web or other electronic forms (link management, Web page posting and publishing, search indexing, and other capabilities). In essence, they created a new class of monolithic CMS systems, one that was separate, and not highly integrated with the other ones in use for print. In one enterprise, both systems may have the same data in them in different native formats, using different editors and tools, and producing using different schedules and even differently trained production staff.

## THE MODERN ERA OF CONTENT MANAGEMENT

### **Distributed/Synchronized Content Management**

The monolithic approach was complicated greatly by the introduction of distributed personal computers. Information, previously stored in a centralized mainframe became fragmented across a number of small personal computers often located in many different locations (each a monolithic system of its own, but usually with far less content management capabilities). Many strategies evolved to replicate content and keep collections synchronized, but by definition, each copy was always a little out of date from the others. Some mission critical data was stored in centralized monolithic servers while increasing amounts of unstructured data (email, spread sheets, notes files, and word processing documents) remained distributed and "un-synchronized", and often unmanaged or difficult to locate and reuse.

Tools such as Lotus Notes and email servers began to collect and synchronize simple flat documents. Many fields of metadata could be captured and stored in fielded databases and the content and metadata shared throughout distributed workgroups using these tools. Users' work environments quickly became more complicated and fragmented with the plethora of tools that emerged for creating and distributing information.

The advent of the World Wide Web changed our expectations and requirements on how systems would behave. The power of distributed content being viewable consistently through a thin client such as a Web browser over the complexity of maintaining a fat client and its associated data on every user's machine was very apparent. So how to encode our documents to get the best of both worlds: structured information and distributed thin-client access? Most databases and file synchronization tools began to offer transformation capabilities to feed an HTML version of the data. Distributed access was achieved but with limited structure, or only for rigorously structured data fed from databases. There were other limita-

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tions related to the granularity and addressability of data, formatting limitations, and frequency of updating and synchronizing.

Gradually, tools such as relational databases (e.g., Oracle 9i), became more structured document friendly. Also, scripting languages (e.g., JavaScript) and dynamic page content (e.g., ASP, JSP) simplified the process of formulating complicated document requests and feeding them to a Web browser session. A request made from a browser session or another thin client, is routed to the central server for extraction, then the result transformed into a consumable format such as HTML and delivered back to the requestor.

If data is created and captured in more than one location or system, there remains the requirement to first get it into a consistent format to insert it into the central server's database. For fielded data, this is more straight-forward than for highly-variable structured text. Many database tools come equipped with powerful filtering and replicating functionality, and where they fall short, scripts or other programs can take over. Given the wide-spread familiarity with languages such as Perl, building the glue between consistently organized data is feasible and replication and synchronization of data into a monolithic system model is a viable approach to exposing that data to the Web or an Intranet.

For structured textual information such as text documents, the complexity of the challenge goes up for several reasons. Often, documents are created in unstructured environments such as word processors, email tools, or other office software applications. It is easier to manage documents at the file level and to synchronize them based on file names and dates. Searching for them can even be expedited with simple metadata structures and full-text search tools. But to be a really effective means of accessing critical business information, the data may need to be accessed in smaller pieces, reorganized and processed as needed, combined, or otherwise manipulated in a wide variety of ways. If you think accessing data in file sized chunks using a full-text search mechanism is adequate for business needs, think about the last time you tried to find a specific email message in your inbox using this approach.

In the late 1990's there was a great wave of software vendors offering "portal" applications. These usually provided a reasonably consistent set of metadata to improve file searching, and even included some fairly powerful interfaces for applying metadata and building dynamic content interfaces. There are two drawbacks inherent in this approach. First, most Web servers are highly centralized. This requires that copies of data be transformed into the centralized format and stored there to optimize access speed and accuracy. Secondly, most of these systems depended on humans using a GUI (Graphical User Interface) to process files and add metadata and insert them into the central database. This manual editing and massaging is not scalable for large volumes of information. While this improves the end users experience for speed and accuracy, it presents a major bottleneck in the front end that feeds the central server. Even so, most very successful content-oriented sites have achieved some pretty impressive metrics for volume and complexity of data processed for using this approach, albeit not without significant investment.

## **Distributed/Integrated Content Management**

To understand what it means to have an integrated and distributed data server or content management system, you have to understand a few concepts from mainstream computer science. First, consider the concept of a federated data-

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base system. Federated systems are both distributed and heterogeneous, that is to say distributed across a network on more than one system using different databases tools, operating systems, applications, etc.

Second, is the concept of loose coupling. Loose coupling means systems are integrated in such a way that they work well independently of each other and are not dependant on each other to continue working. And they do so in spite of having very different applications and tools in use. Systems that are tightly coupled tend to break more easily when something changes and usually are dependant on specific versions and flavors of applications and operating systems in use. A federated system needs to be loosely coupled to allow data to be accessed and moved between systems in a cost effective and timely manor.

## THE EMERGING DISTRIBUTED CONTENT MANAGEMENT ARCHITECTURE

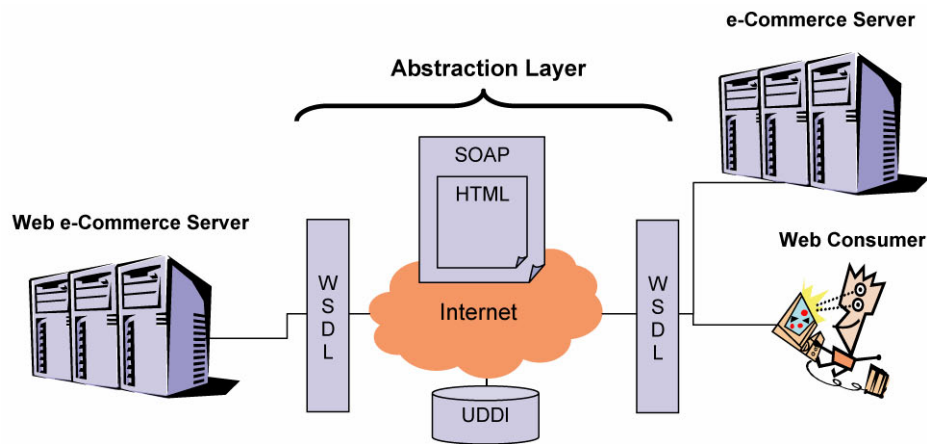
As organizations build increasingly distributed content management architectures, we are finding the need for standards and technologies to support this approach.

### How to Connect Disparate Systems

Up until recently, distributed systems were made to work together through tight coupling using very specific tools on each system to accomplish the communication and integration. In the last couple years loose coupling has been made possible, even feasible, through the use of Web Services for communication and description of services available in a system. Web Services are, at the simplest level, applications that use a handful of information standards to manage the interaction of systems in such a way that the system specifics are hidden or “abstracted” and accessed using generic calls, messages, and data structures.

Why belabor Web Services in an article about distributed content management? Well, one of the big hurdles in content management in a monolithic system is replicating data on a central server. Web services are an alternative approach that allows the architecture and data stored to remain distributed in spite of the heterogeneous system and tools in use. It does not solve all problems, but at least the diverse servers that house different sets of data that are distributed can appear to be part of a single system instead of “Balkanized” environments that barely cooperate. An application feeding data to a client system can generate generic messages and requests for data using Web Services standard formats and submit them to a variety of applications. It can then collect the responses and integrate them, at least to the degree itself that the data is well structured.

Specifically, Web Services are any application that uses the following standards to talk to each other; SOAP (Simple Object Access Protocol), UDDI (Universal Description, Discovery, and Integration), and WSDL (Web Services Description Language). SOAP is a generic format for encapsulating information, sometimes referred to as an “envelope”. WSDL files are descriptions of how information should be structured to be sent to and from an application, sometimes referred to as the generic API. UDDI is a registry that stores theses WSDLs and other pertinent information in a generic format so that potential users of an application can find them and build interfaces to these applications.



**Figure 2. Web Services standards form the abstracted layer that allows distributed and disparate systems to communicate in spite of their differences**

Web Services have enabled highly disparate systems to interoperate more easily and cost effectively than the earlier tightly coupled approaches. But as developers have used these Web Services standards, it has become apparent that there are many pieces missing from the architecture. These standards are being enhanced and other standards are being developed to handle more advanced requirements and new areas of integration such as process management and security. Even so, Web Services have been proven to be successful at getting disparate systems to talk to each other, and connecting these systems is much easier using this loosely coupled approach than the older method that relied on tight coupling mechanisms such as DCOM or CORBA.

Remember that Web Services just addresses the format of the message envelopes and the interfaces to these systems, not the actual data records being accessed. Standard document formats, such as vertical industry vocabularies, are needed to make the data more easily reused, but at least the connectivity hurdle is greatly minimized using Web Services.

### How to Structure Shared Content

When data is going to be shared among a distributed community, it is useful to use similar if not identical data models and formats to allow the data to move freely between users without a lot of modification. Many vertical industry groups have recognized this principle and have created industry vocabularies for the documents used by their constituency.

A good example of an industry vocabulary for document content is the DocBook standard from [OASIS](#). Designed originally for use in the computer, electronics and telecom industries as a common structure and element vocabulary for technical manuals in these markets, it later became an OASIS standard vocabulary and is in use in a broader range of applications. DocBook uses a robust yet easily understood set of information elements and names that are common to most technical documentation environments and publications. These semantic component definitions can be expressed in XML, a generic syntax that works in any specific proprietary environment. Therefore, the data is both robust and portable and can move between distributed federated systems more easily than proprie-



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tary formats, and eliminate the need to store all data in centralized monolithic systems.

Not every document type will be defined by the vertical industries a single organization will work within, but using the ones that are well known will ease the development and ongoing creation and interchange of data. For data structures not defined in a public vocabulary, an organization can create their own and make it freely available for other departments or partner organizations. But, a judicious amount of rules enforcement combined with a pragmatic amount of flexibility allows data to move between systems more easily. For this reason, many industry vocabularies are rather flexible in the order of elements, but rather strict in the names used to identify information components.

### **Distributed Security Challenges**

A big challenge in a distributed environment is security. When most people think of computer security, the two most obvious things that they think of are authentication (logging into a system) and encryption of data. These represent only two facets of a security model, though. Security is increasingly complicated by the number and types of nodes on a distributed network. Think about when you move around between different accounts while browsing the Web. You may have to sign in once for your email server, again for your online banking, and yet again to purchase airline tickets. In a distributed content management system you may encounter different security systems with different passwords, or even different security models that require more than just a single password. Unifying the various security models used across the distributed system is sometimes called "single sign-on" which can reduce the complexity for users navigating through and sharing data.

Single sign on can be accomplished in a several ways, but one of the most common is to shield the user from the various security interfaces by presenting a single unified interface for all of them. Consider how a Web-based service such as Expedia or Travelocity communicates with many distributed airline and hotel reservation systems after you log into their system. These services hide the security issues by never exposing the actual partner systems to the user. They maintain the appearance of a single system with a single data store, but really connect to many different systems behind the scenes without moving all of the content to a single monolithic system. This type of security management depends on a user session and the user being connected to the Web Server that maintains that session in order to see the data and preserve the security. I like to refer to this as "door to door" security, or security that is enforced upon entering a system.

For content editing and collection where the data may be handled regardless of if there is a live session or not, this shielding approach will not suffice. That is why people are busy working on standards that encapsulate the data with security information that travels with the data. The Security Assertion Markup Language (SAML) from OASIS allows security information to be captured as an XML instance that may move with the data. Assertions such as who (what class of user) can look at the data and when (at which process step) are captured and processed through the system and life of the data. Sensitive data such as financial information may require continued security after the online session ends if the data is to continue to be edited or managed on a local machine. I like to refer to this as "wall to wall" security, or security that works where ever the data is being used.

There are other standards that are emerging that address the many other facets of security such as XACML from OASIS, XKMS from the World Wide Web Consortium, and work by other organizations such as the Liberty Alliance. The goal is to develop a security model robust enough to handle even the most complex security issues in a distributed environment.

## Applying Structure Flexibly While Creating Content

Since unstructured data can be difficult to manage and decipher, some believe that only rigorous XML structured editors (e.g., XMetaL or Epic) should be used to create valuable enterprise content. Others run screaming from the room when such editors are suggested, and cling to their MS Word or other editor. Fortunately, the choice is no longer an all or none proposition. Microsoft has released some interesting structured editing capabilities in their MS Office 2003 edition, especially as it pertains to Word. Word with XML is a very different kind of XML editor, one that retains all the features of Word that people have come to depend on, as well as some additional features supporting the addition of XML structure that can be applied or not as needed. Out of the box, Word 2003 can only handle a limited amount of XML structure, but developers can easily create specific applications for each document type used within the enterprise. One such application was developed by [DMSI, Inc.](#) to support the creating and editing of documents according to the rules of the DocBook DTD (see Figures 3 & 4).

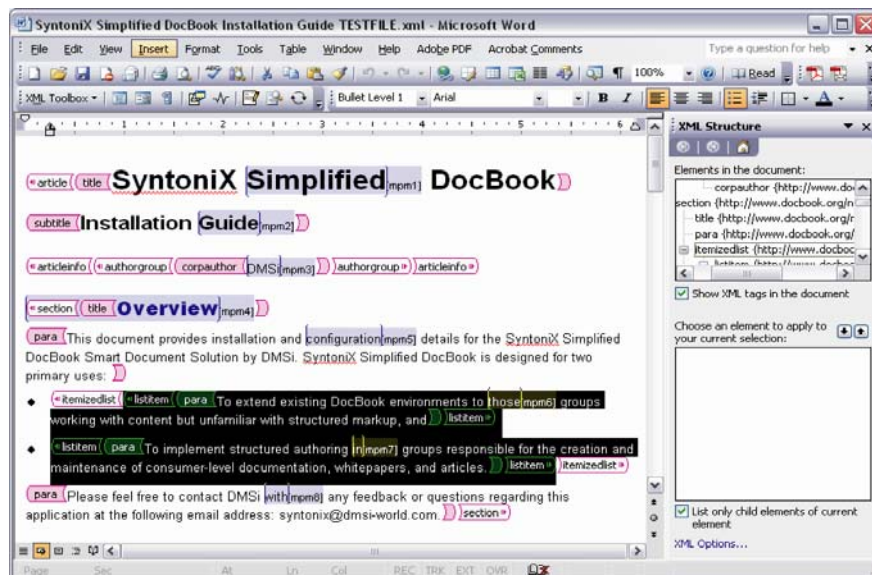


Figure 3. Microsoft Word SmartDoc with XML tags turned on and behaving very much like a classic XML structured editor.

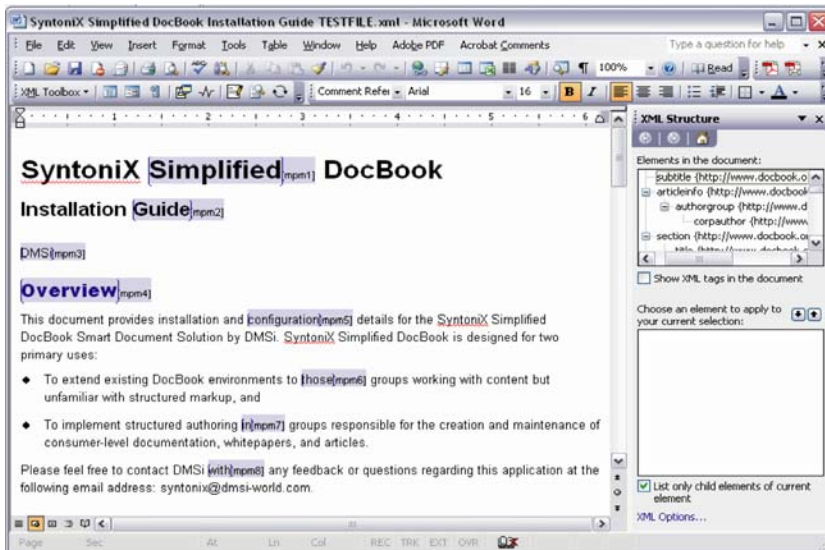


Figure 4. Microsoft Word SmartDoc with XML tags turned off showing normal style sheet formatting

Other departures from the classic XML editor aim to support a different process for creating valid or well-formed XML documents. Some innovative tools from a company called Topologi in Australia focus on adding structure to unstructured information. The Topologi Collaborative Markup Editor discards the cumbersome formatting features found in many XML editors and focuses strictly on the level of tagging and structure enforcement desired. And, as the name implies, it takes

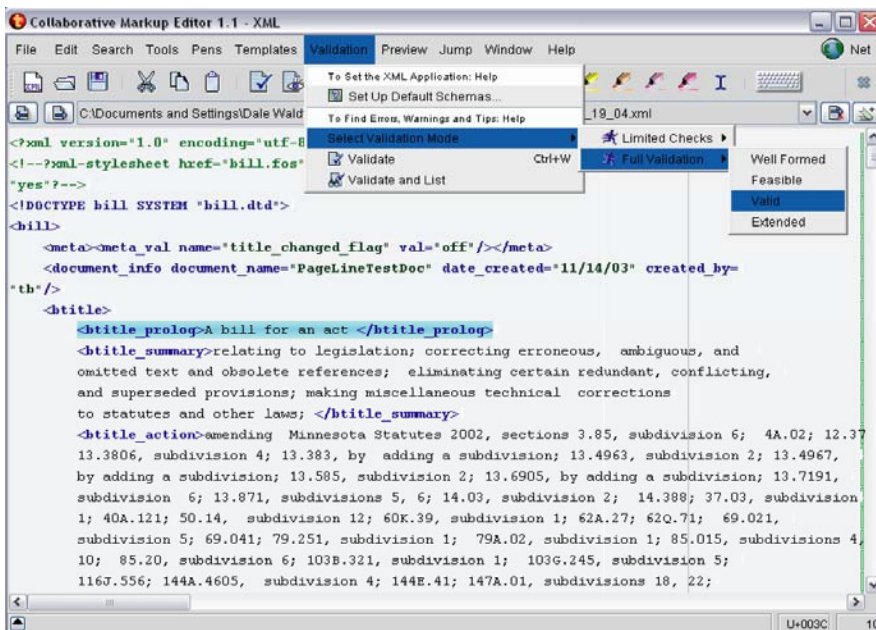


Figure 5. Topologi Collaborative Markup Editor showing tools to assist in adding structural markup and different types of validation that can be applied by the user

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advantage of peer-to-peer connectivity to support collaboration within a work group. Also, the Topologi editor is flexible in how much validation is enforced and adds unique support for managing the different types of validation that a user may want to impose, from simple well-formedness checking to very stringent validation using a DTD or one of the many types of schemas available.

Another approach to structured text editing is to incorporate forms and text entry fields into Web content that is used to collect and verify content across a distributed network. This approach also shifts the functionality to the server software and eliminates the effort to maintain a software client on many distributed client machines. Not only is this a very economical model for managing software used by a distributed set of users, the XML editing capabilities can emulate those of "fat" client editors.

It is very likely that we will continue to see many more tools and approaches to creating structured content that is more easily used within a distributed content management architecture. Users may not need to maintain a live session on a centralized server to create or edit content.

## FINAL THOUGHTS

A monolithic CMS is a lot like a building. The building has different rooms where users can perform various activities. Sometimes users travel to other buildings to perform different tasks. Buildings therefore have to have entrances and exits for users. They also depend on the infrastructure like plumbing and sewers, electricity and telephone wires, etc., that connect the building to other content and services. These infrastructure systems depend on consistent interfaces and values to operate (and not blow up).

As we evolve toward more distributed systems and users we need to consider how our content is managed. It is okay to build a monolithic content management system if you plan for your requirements for interoperating with other monolithic systems. It seems inevitable though that increasingly CMS systems will be connected together rather than consolidated into a single *über* system.

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# INDUSTRY NEWS

Current news, old news (to January 1999), and commentary is available at [www.gilbane.com](http://www.gilbane.com). Free RSS 2.0 news feeds are available at [www.gilbane.com/syndication.html](http://www.gilbane.com/syndication.html).

## UNICODE EXTENDS CHINESE, JAPANESE, AND KOREAN (CJK) CHARACTER DATABASE

3/31/2004

The Unicode Consortium announced a significant update of the Unicode Standard, Version 4.0.1. No new characters are added to the standard at this time -- the total number of characters still stands at 96,382 for the world's scripts and collections of symbols. However, the information in the Character Database has been refined to improve the quality of text processing in all languages of the world. This version of the Unicode Character Database includes the first major update of the CJK database (Unihan) in two years. The Unihan Database provides character properties, definitions, pronunciations, mappings, and other information for the CJK characters in the standard -- the characters used in particular for Chinese, Japanese, and Korean. This update includes thousands of additions and corrections, including major new correlations with traditional Chinese and Japanese dictionary sources. This version significantly improves the ability to interchange languages such as Arabic, Hebrew, Urdu, and Pashto. It also clarifies the implementation of such languages as Bengali and the relationship between base form letters and accent marks. Full technical details regarding the Unicode Standard, Version 4.0.1 are published online. [www.unicode.org](http://www.unicode.org)

## GILBANE REPORT & LIGHTHOUSE SEMINARS ANNOUNCE BOSTON CONTENT TECHNOLOGY CONFERENCE AFTER POPULAR LA EVENT

3/30/2004

The Gilbane Report and Lighthouse Seminars announced that due to the exceptionally strong attendance and interest in the Gilbane Conference on Content Management held last week at the Westin Bonaventure in Los Angeles, March 24-26, 2004, the event will be followed by a Fall conference to be held at the Westin Copley in Boston from November 30th through December 2nd. The Gilbane Content Management Technologies Conference in Boston is being launched to complement other Gilbane conferences with an anchor event that covers all major content technologies. The 3-day Boston conference will include everything a project team needs to know, and will also offer a look ahead at upcoming technologies, "new" best practices, and a broader look at technologies necessary to supplement core content management applications. Microsoft (NASDAQ: MSFT) is the Platinum sponsor of the Gilbane Content Management Conference in Los Angeles. Gold sponsors include Vignette (NASDAQ: VIGN), Context Media, and GMC Software. Additional exhibitors include Advent 3b2, Arbortext, Astoria, aXtreme Minds, Blast Radius, Convera, CrownPeak, Day, Documentum, Ektron, empolis, Ephox, exegenix, FatWire, Globalscape, Idiom, immediacy, INCSI, IXIASoft, Kofax, Macromedia, Open Text, Percussion, RedDot, Refresh, RenderX, Retrieval Systems, SchemaLogic, SilkRoad, Software AG, Snapbridge, ThomasTech, Trados, Vasont, Weborganic, and Xerox.  
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## DAY RELEASES LATEST VERSION OF COMMUNIQUE

3/30/2004

Day Software announced the general availability of latest version Communique. Communique 3.5.4 is a content management solution that offers an integrated platform facilitating all aspects

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of the content life cycle for global enterprise customers. Communique 3.5.4 includes a wide variety of functionality to manage portals and business processes adding to the products content management, document management and digital asset management capabilities. Day enables global enterprises to build all their content-centric applications around the concept of their ContentBus architecture and a virtual repository. [www.day.com](http://www.day.com)

## **INSCI & VENETICA PARTNER FOR ENTERPRISE CONTENT INTEGRATION**

3/30/2004

INSCI Corp. and Venetica announced a sales and marketing partnership. INSCI will sell and implement Venetica's enterprise content integration software to deliver business solutions that can access and work with all structured and unstructured content across the enterprise. Through Venetica software, INSCI clients can integrate content from third-party content management systems into their INSCI business solutions. This ECI framework unites INSCI's technology for managing rich media, document images, reports, statements, video, and graphics with content from multiple, disparate repositories such as those from FileNet, Documentum, IBM, Lotus, Microsoft and Open Text. [www.insci.com](http://www.insci.com), [www.venetica.com](http://www.venetica.com)

## **STELLENT VIEWING TECHNOLOGY TO BE EMBEDDED IN IPRO TECH'S CORE SERVER & DESKTOP VIEWING PRODUCTS**

3/30/2004

Stellent, Inc.'s announced that IPRO Tech, Inc., a developer of software solutions for litigation support that captures, indexes and analyzes litigation data, has embedded Stellent Outside In Image Export 7.7 and XML Export 2.3 for use in its IPRO ImageServer and IPROView products. The Stellent Outside In XML Export technology will enable users of IPRO ImageServer to create a searchable index for hundreds of file types, delivering accurate and effective retrieval of information. Outside In Image Export will expand IPROView's existing viewing capability by providing the ability to convert to TIFF, JPG, PNG or GIF from more than 250 proprietary file formats, including word processing documents and spreadsheets. [www.stellent.com](http://www.stellent.com)

## **EXTENSIS ANNOUNCES RELEASE OF PORTFOLIO 7 SERVER**

3/29/2004

Extensis, Inc. announced the upcoming release of Portfolio 7 Server, a digital asset management (DAM) solution that enables workgroups to organize, retrieve, repurpose, and distribute digital files. Workgroups can build sites that include built-in file searching, collection baskets, low-resolution previews and batch-download capabilities. Advanced users can access and edit the underlying NetPublish templates to create fully customized websites. Portfolio Server offers optimized connection modules for Microsoft SQL Server available now, and Oracle and MySQL engines available in July 2004. Portfolio also supports the ability to read information stored using metadata storage conventions such as IPTC, EXIF, and Adobe's RDF-based XMP metadata standard. Portfolio can also embed IPTC and XMP metadata directly back into JPEG, TIFF, and Adobe Photoshop PSD files. Portfolio 7 Server for Windows will be available in April followed by a Mac version in May. Portfolio Server's estimated street price is \$3,499.95USD. NetPublish Server licenses can be purchased for an estimated street price of \$1999.95USD. SQL Connect for MSDE is available for \$4,499.95. SQL Connect for Oracle 8i/9i/10 is available for \$7,499.95. SQL Connect for MS-SQL is available for \$7,499.95. SQL Connect for Oracle and MySQL will be shipping in July 2004. <http://www.extensis.com>



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## **OPEN TEXT UPDATES DISCOVERY SERVER**

3/29/2004

Open Text Corporation introduced a new version of Livelink Discovery Server, a search engine product designed for companies that publish large quantities of customized information, such as lengthy retail or parts catalogs, news and information archives, technical standards documentation or patent data. Livelink Discovery Server Version 9.0 lets customers create customized applications to manage large-scale information retrieval challenges. The product offers natural language queries, search federation, text analysis, concept mining, result clustering and categorization. Livelink Discovery Server provides the ability to add new search features. It can also be extended to include searches of Web-based content sources - intranets, extranets and public websites. Livelink Discovery Server works with Windows NT, Windows 2000 and Windows XP as well as Solaris systems. [www.opentext.com](http://www.opentext.com)

## **VERITAS ANNOUNCES AVAILABILITY OF DATA LIFECYCLE MANAGER 5.0**

3/29/2004

VERITAS Software Corp. announced the general availability of VERITAS Data Lifecycle Manager 5.0 software, designed to help organizations meet global regulatory requirements for data management - from creation to deletion - across all storage media. In addition, VERITAS announced new partnerships aimed at offering integrated solutions to simplify and standardize management and archiving of structured and unstructured data - from e-mail to digital files to text - using the common Data Lifecycle Manager API. Using VERITAS Data Lifecycle Manager, customers can automate the management of files and messaging data using policy-driven retention, migration and deletion processes. VERITAS Data Lifecycle Manager provides customers an integrated solution with VERITAS data protection solutions, VERITAS NetBackup and VERITAS Backup Exec software. This allows a user to search across potentially terabytes of data spanning multiple years in one search. The new VERITAS partner program is aimed at offering a set of joint solutions that unify the management of disparate data formats for database, application, enterprise content management, file system, e-mail and instant-messaging data. Participants include Akonix, Autonomy, Exivity, FaceTime, IMlogic, Network Appliance, Pegasus, Plasmon, Princeton Softech, Sherpa Software and StorageTek. [www.veritas.com](http://www.veritas.com)

## **MARK LOGIC UNVEILS CONTENT INTERACTION SERVER FOR CONTENT-BASED APPLICATIONS**

3/29/2004

Mark Logic Corporation introduced an enterprise-scale database specifically designed for content. Mark Logic Content Interaction Server enables organizations to build content-centric applications on their documents and business content, just as relational databases allowed applications to be built on numerical data. XML, SGML, XPath and XQuery serve as building blocks for Content Interaction Server to power parametric searches in conjunction with text search to deliver contextually relevant results. Content Interaction Server sees "inside" documents to identify precise sections of content (at any level of document granularity, chapter, paragraph, sentence, word, etc.) across an entire document collection. There is no need to pre-process the documents before loading them into the server. In addition to full XQuery support, Mark Logic has added extensions to XQuery to incorporate transactional update and more search capabilities. [www.marklogic.com](http://www.marklogic.com)

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## **ASSETLINK ANNOUNCES ASSETLINK ONDEMAND**

3/29/2004

AssetLink Corporation announced the debut of AssetLink OnDemand, an enterprise digital asset management, collaboration and workflow automation solution. Companies seeking the benefits of DAM to work with sales and customer support teams, external partners and customers, can do so at a cost of \$25 per user per month. An Internet-based DAM subscription service, OnDemand allows businesses to enjoy the benefits of DAM, such as storing, managing and retrieving valuable digital assets -- from text and video to graphics and page layouts and related technologies -- on a per-user basis. No investment is required for software, hardware or infrastructure, and there is no long-term commitment. Setup and implementation takes less than 24 hours to bring a company and its users on line. OnDemand's Standard \$25 per user implementation gives a company 24-hour/seven-day access to AssetLink's application framework server, digital asset management application and basic marketing portal. [www.assetlink.com](http://www.assetlink.com)

## **INTERWOVEN & DOUBLECLICK PARTNER**

3/29/2004

Interwoven, Inc. announced an agreement with DoubleClick Inc. to offer a comprehensive Marketing Content Management (MCM) solution. Interwoven will offer SmartPath 5.0 to extend its Marketing Content Management capabilities. SmartPath is an MRM (Marketing Relationship Management) software application that enables marketers to manage marketing initiatives across the entire marketing supply chain optimizing core functions, including information management, production, operations, and team communication. Integrating Interwoven's MediaBin Asset Server 4.0 software with the SmartPath solution provides marketing organizations with the ability to accelerate time-to-market for product introductions and promotions. DoubleClick recently acquired SmartPath, which provides marketing resource management solutions to companies whose marketing operations are critical to their business. [www.interwoven.com](http://www.interwoven.com)

## **CHUCKWALLA LAUNCHES CHUCKWALLA v5**

3/29/2004

Chuckwalla, Inc. announced the availability of Chuckwalla v5, the newest version of the company's suite of products for managing rich media content. The cornerstone of Chuckwalla v5 is a Chuckwalla SDK for Microsoft .NET, the component which enables companies to gain access to their rich media content as a set of web services. This dynamically connects rich content within a web-based environment. Another feature of Chuckwalla v5 is its compatibility with Quark Xpress files. Chuckwalla v5 enables granular access to manage the relationships of the elements contained in Quark files. In addition, print designers can now drag- and-drop images stored in Chuckwalla directly into Quark Xpress layouts. Chuckwalla v5 is available immediately with native client support on Windows 2000 Professional, Windows XP and Mac OS X & OS 9.2. [www.chuckwalla.com](http://www.chuckwalla.com)

## **MICROSOFT RELEASES OFFICE SOLUTION ACCELERATOR FOR SARBANES- OXLEY**

3/29/2004

Microsoft announced the general availability of the new Microsoft Office Solution Accelerator for Sarbanes-Oxley, which is designed to help partners build solutions based on the Microsoft Office System. Companies using an Office-based solution can document and review their internal financial controls and use the Microsoft Office Solution Accelerator for Sarbanes-Oxley to



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help meet other compliance requirements mandated by the Sarbanes-Oxley Act of 2002. Available to Microsoft Office System customers at no charge, the new tool is third in a series of accelerators aimed at helping companies handle business issues. Built on Windows SharePoint Services and Microsoft Office InfoPath 2003, the Office Solution Accelerator for Sarbanes-Oxley is one of the first deliverables under a larger compliance initiative from Microsoft. Other current and future offerings will provide customers with solutions useful in other compliance initiatives, such as document and e-mail retention. [www.microsoft.com](http://www.microsoft.com)

## **GILBANE'S CONTENT TECHNOLOGY WORKS INITIATIVE DELIVERS BEST PRACTICES & INCREASES MEMBERSHIP**

3/24/2004

Today at the Gilbane Conference on Content Management the Gilbane Report announced that the first round of in-depth content technology success stories is set for publication in early April. Industry leading enterprises will be providing unprecedented insight into their successful deployments of content technology include Avnet, CMP, Giunti Labs, IDX Systems Corporation, Meredith, Nextance and others. Early access to this material can be found in the CTW conference track at The Gilbane Conference on Content Management being held this week in Los Angeles where speakers from Avnet, Boeing, CMP, Hewlett Packard, Meredith, Shimano and Sony Pictures are sharing their recipes for successful content technology deployment. Further accelerating the CTW initiative's momentum is the addition of three new technology partners: Trados, Vasont, and Venetica. For more information on how to gain access to this program, visit [www.gilbane.com/technology\\_works.html](http://www.gilbane.com/technology_works.html), [www.trados.com](http://www.trados.com), [www.vasont.com](http://www.vasont.com), [www.venetica.com](http://www.venetica.com)

## **INTERWOVEN INTRODUCES DEAL MANAGEMENT SOLUTION**

3/23/2004

Interwoven Inc. announced the Interwoven Deal Management solution, a comprehensive software solution for managing proposals, contracts, negotiations, and correspondence, particularly e-mail. The solution enables deal teams distributed around the globe comprised of enterprise professionals -- bankers, account executives, financiers, brokers and dealers -- to collaborate on document-intensive deals from inception to execution. The solution can be extended with additional Interwoven product to deliver business process management, automated document classification and records management and retention logic to meet critical compliance protocols and standards. Both Interwoven and its consulting partners provide services in the form of deal dashboards, deal checklists, and deal space templates. Interwoven Deal Management solution is available from Interwoven today. [www.interwoven.com](http://www.interwoven.com)

## **XYENTERPRISE ANNOUNCES SUPPORT FOR XSL-FO & WEB-BASED STYLE EDITOR FOR XML PROFESSIONAL PUBLISHER**

3/23/2004

XyEnterprise announced a new style creation tool and support for XSL-FO in its XML publishing software -- XML Professional Publisher (XPP). XPP is used for automated and interactive publishing in XML publishing environments, providing support for XML content, automated rendering, and Web Services integration. XPP will apply an XSL stylesheet to an XML instance, and use this information to render XML content to Postscript or PDF output. Users will have access to the publishing capabilities of XPP that supplement the XSL-FO standard, including the ability to interactively edit the formatted file, control the placement of graphics, and apply sophisticated controls for page and column balancing, hyphenation and justification, and complex tabular

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formatting. The new style creation and management interface, based on XPP's Web Services layer, presents a browser-based look and feel for creating and managing style information. [www.XyEnterprise.com](http://www.XyEnterprise.com)

## **EKTRON UNVEILS A 'NATIVE' .NET-BASED CONTENT MANAGEMENT SOLUTION**

3/22/2004

Ektron Inc. announced Ektron CMS400.NET, a content management solution developed in "native" .NET Framework-based environment. CMS400.NET makes it easier to integrate applications and share information via Web services and helps turn a Web site into a Web-based application. Ektron CMS400.NET streamlines deployment of content management applications, lowers integration costs, offers tight integration with Microsoft Visual Studio .NET 2003, enhances security with a "managed code" approach, and supports content sharing across applications and devices. CMS400.NET's enhanced Web services API also allows users to extend their Web sites and intranets by integrating content from another device or locations. Ektron CMS400.NET includes Ektron's WYSIWYG editor, eWebEditPro+XML, which lets business users author XML forms and capture and structure XML and XHTML documents and data. [www.ektron.com](http://www.ektron.com)

## **SARVEGA ANNOUNCES FAMILY OF XML SECURITY APPLIANCES**

3/22/2004

Sarvega, Inc. announced the availability of its Guardian Gateway and the Guardian Accelerator for XML security applications. Sarvega's Guardian Gateway is a flexible XML security gateway with full support for OASIS WSS Core and WS-security specifications, a comprehensive Authentication, Authorization and Auditing framework, with SAML, XML Digital Signatures and XML Encryption support. It integrates into the existing security and management infrastructure. Utilizing the XESOS Gauntlet architecture, Guardian products provide sophisticated detection and protection capabilities against attacks directed against XML web services at the network, content and web services layers. [www.sarvega.com](http://www.sarvega.com)

## **DRALASOFT DEBUTS WORKFLOW 3.0 FOR WEB SERVICES**

3/22/2004

Dralasoft, Inc. announced the release of Workflow 3.0 of its Business Process Management (BPM) software. Leading the improvements in Version 3.0 is a new SOAP interface. Workflow 3.0 enables business units and/or trading partners to integrate common workflow technology into any major production situation, such as document management, task management, claims processing, e-commerce, and supply chain management. Dralasoftware Workflow is comprised of three modules: Dralasoftware Workflow Engine, the runtime component; Dralasoftware Studio, a drag-and-drop design interface for workflow development; and Dralasoftware Workflow Manager, the applications reporting and analysis tool. In addition to their existing support for Java, XML, LDAP, HTTP and JDBC, the three modules now fully support SOAP, making them suitable for Windows .NET implementations as well as other kinds of web services. Also new to Workflow 3.0 is a new process for creating web forms. Automatic upgrades are made available to all users, including Workflow 3.0. [www.dralasoft.com](http://www.dralasoft.com)

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## **INNOVATION GATE RELEASES WEBGATE ANYWHERE 3**

3/22/2004

Innovation Gate announced the release of WebGate Anywhere 3. Built upon J2EE technology, WebGate Anywhere provides a solution with multiple authoring clients, multiple outputs from One Source data store, and integrated document "collections" that take advantage of access to legacy data along with data internal to the application. Multiple authoring clients include MS Word, browser, e-mail, Lotus Notes or any XML editor. Outputs include HTML, PDF (created on the fly), PDA, cell phone and XML. Special drivers and a language called WebTML, make it possible to create data collections from a variety of sources accessible from a web browser. Customers can mix a variety of data stores to feed their web sites, including DB2, MySQL, SAB DB, Oracle, Sybase, Progress, Mckoi SQL, Interbase, Pointbase, Postgre-SQL, HypersonicSQL, Microsoft SQL Server, Ingres, Informix and Frontbase as well as Domino nsf's. They can also choose to administer their sites with a browser based front end, or they can use Domino, the traditional WebGate Anywhere platform. [www.innovationgate.com](http://www.innovationgate.com)

## **PLUMTREE LAUNCHES APPLICATIONS INCUBATOR PROGRAM**

3/22/2004

Plumtree Software introduced the Plumtree Applications Incubator, a program that supports partners building service-oriented applications using the Plumtree Enterprise Web Suite. The program offers qualified application partners engineering, marketing and sales support, with an engineering team dedicated to co-developing Plumtree-powered applications, subsidized marketing forums for approaching Plumtree's install-base, and opportunities for co-selling with Plumtree's sales force. To support its inaugural application partners, Plumtree is offering eligible partners a one-year OEM license of the Plumtree Enterprise Web Suite for as little as \$25,000 per quarter. [www.plumtree.com](http://www.plumtree.com)

## **FACTIVA LAUNCHES IWORKER SEARCH TECHNOLOGY**

3/22/2004

Factiva launched Factiva iWorker Search Technology. Factiva iWorker Search Technology matches simple, keyword searches to the filtering capability embedded within Factiva's proprietary taxonomy. The taxonomy consists of company, region, industry, language, and subject codes that are universally applied to Factiva's entire content set to help ensure more precise and accurate results. In addition, the search experience is personalized as users set their preference for a specific region and industry, which influences the relevance of their results. Factiva iWorker Search Technology is a capability of Factiva's product platform and will be available in the following products: Factiva.com, Factiva.com Individual Subscription, Factiva Search Module, and Factiva Search in Microsoft Office 2003. A new Factiva Toolbar has been created to give users convenient access to Factiva's content through their browser. [www.factiva.com](http://www.factiva.com)

## **SIRSI DELIVERS PRECONFIGURED Z39.50 SEARCH MAPS**

3/22/2004

Sirsi Corporation announced that it is delivering preconfigured client search name maps for more than 20 of the most popular Z39.50 servers. Previously, Sirsi sent only two attributes for searches to search destination servers. Now, all six available attributes under the Z39.50 protocol are mapped and available. Searches are no longer dependent upon the defaults set by the server receiving the query. Versions include EBSCO Information Services, Library of Congress,

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National Library of Canada, OCLC Online Computer Library Center, and OCLC WorldCat. A complete listing of the most popular versions of the Z39.50 preconfigured server searches is available to Sirsi clients at [www.sirsi.com](http://www.sirsi.com)

## **INFORMATIVE GRAPHICS TO RELEASE BRAVA! DESKTOP**

3/18/2004

Informative Graphics Corp. (IGC) announced that it will offer a desktop version of its Brava! view, markup and collaboration software. The desktop offering is designed to fill out the line of Brava visualization products, which includes Brava Enterprise, Brava Desktop, Brava Reader and Brava SDK (Software Developer's Kit). Brava also provides visualization for enterprise content management solutions such as Documentum and Open Text. Brava Desktop is a Windows executable and ActiveX component that views, marks up, and prints native document, image and CAD drawing formats as well as IGC's content sealed format (CSF). Brava Desktop can convert any supported native format to CSF, which incorporates IGC's Visual Rights persistent security. Visual Rights security controls include encryption, password protection, onscreen and print banners, print and other feature restrictions. Brava Desktop also can burn markups and redaction areas (blocked out content) into a CSF file. CSF and marked up CSF files can be viewed with the freely distributable Brava Reader. A trial beta version of Brava Desktop can be downloaded. [www.infograph.com](http://www.infograph.com)

## **CLICK COMMERCE TO ACQUIRE WEBRIDGE**

3/18/2004

Click Commerce, Inc. announced it has agreed to acquire the operating assets of Webridge, Inc., a provider of secure extranet portal solutions. The acquisition of Webridge will extend Click Commerce's presence into the healthcare market and add content and compliance management to its product offering. The Webridge operating assets will be acquired for approximately 600,000 shares of Click Commerce stock subject to working capital adjustments to be determined at the closing date of the transaction. Other terms of the acquisition are not being disclosed at this time. The acquisition is expected to be completed by the end of April subject to a number of conditions. [www.clickcommerce.com](http://www.clickcommerce.com), [www.webridge.com](http://www.webridge.com)

## **WEBWASHER RELEASES v5.0 OF CONTENT SECURITY MANAGEMENT SUITE**

3/18/2004

Webwasher announced the release of Version 5.0 of its Content Security Management (CSM) Suite, a major restructuring of its product portfolio offering seven distinct modules that can be deployed and centrally managed in any combination. Upgrades include improvements to the product's URL Filter, Virus Protection, Anti-Spam and Content Protection modules; a new Instant Message Filter module that can control both IM and peer-to-peer use; an intelligent configuration utility that permits administrators to implement refined security policies without the risk of making configuration errors; and a new lower-cost family pricing model. Webwasher CSM Suite 5.0 is available immediately directly from Webwasher and its authorized resellers. [www.webwasher.com](http://www.webwasher.com)

## **DUDEN ANNOUNCES INTELLIGENT SPELLING CHECKER AS WEB SERVICE FOR CONTENT MANAGEMENT SYSTEMS**

3/16/2004

Duden announced the launch of its intelligent spelling and grammar checker "Duden Linguistic Engine" as a web service for software integration. The solution enables software manufacturers,

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for example of content management or editing systems, to integrate a sophisticated German language spellchecker into their applications and to support customers in assuring the quality of texts. The spell checker offers more than usual spellcheckers: Its syntax analysis enables the software to detect grammar mistakes as in "Sie lernte ihn beim tanzen kennen" (instead of "Sie lernte ihn beim Tanzen kennen") or mistakes as in "Er will sie kennenlernen" instead of the correct "Er will sie kennen lernen". The web service is offered with two licensing models on customers' servers or hosted by Duden. Detailed information on the "Duden Linguistic Engine" is available on request. [www.duden.de](http://www.duden.de)

## **ENTOPIA ANNOUNCES K-BUS SOFTWARE INFRASTRUCTURE FOR INFORMATION DISCOVERY**

3/16/2004

Entopia, Inc. announced the launch of the K-Bus software infrastructure for information discovery. Entopia K-Bus leverages the business context, concepts and social activity surrounding enterprise wide content to automatically and dynamically discover and deliver relevant content and experts into the day-to-day business process. Entopia delivers K-Bus solutions for Portals & Intranets, Enterprise Search to find relevant content and experts around the enterprise, and for Research Automation to automate the research process for research professionals of all kinds including pharmaceutical R&D, market research and analysis. Entopia K-Bus is a software infrastructure comprised of a metadata server, application services and enterprise connectors that enables the creation of business knowledge applications. Functions include enterprise search, social networking, expertise identification and connectors to enterprise repositories and industry content. Entopia also announced the integration of its K-Bus software infrastructure into Microsoft Office SharePoint Portal Server 2003. Entopia K-Bus is available immediately.

[www.entopia.com](http://www.entopia.com)

## **BOWSTREET INTRODUCES PORTLET FACTORY**

3/16/2004

Bowstreet announced the release of Bowstreet Portlet Factory version 5.8, compatible with all portal platforms that adhere to the JSR 168 standard. Bowstreet Portlet Factory version 5.8 enables the rapid creation of JSR 168 compliant portlets. In addition to launching Bowstreet Portlet Factory, the company also formed the Bowstreet JSR 168 validation program. Through this program, Bowstreet Portlet Factory will undergo validation with all program members' portals. To date, program members include Sun, Plumtree, and IBM. Bowstreet simultaneously released version 5.8 of Portlet Factory for WebSphere, which provides direct, deep integration with IBM's WebSphere Portal APIs, in addition to integration through JSR 168. [www.bowstreet.com](http://www.bowstreet.com)

## **DOCUMENTUM ANNOUNCES VIRTUAL REPOSITORY SOLUTION & ACQUISITION OF ASKONCE**

3/16/2004

Documentum announced a virtual repository solution that enables all aspects of cross-repository content management. With the Documentum Virtual Repository solution, customers can discover and assimilate all content types, from multiple data sources, such as repositories, file servers, Web sites and enterprise applications, and apply the full range of Documentum content services to the content -- without changing business processes and without copying or moving the content to a central location. For example, content can be aggregated from different sources, and integrated with business processes using Documentum workflow services. Authorized users can then edit or approve the content, transform it into a required format, such as PDF to HTML, deliver it to a web site staging area, send it to an outside printing agency for

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high-resolution color production, translate it into multiple languages and distribute it as an XML content chunk for reuse on regional websites or localized packaging or collateral. Documentum also announced the acquisition of the askOnce business unit of Xerox Corporation. The askOnce technology enables the enterprise content integration component of Documentum's Virtual Repository solution. Financial details of the transaction were not disclosed. The Documentum Virtual Repository solution will be available in early Q2 2004. [www.documentum.com](http://www.documentum.com)

## **W3C ISSUES VOICEXML 2.0 & SPEECH RECOGNITION GRAMMAR AS RECOMMENDATIONS**

3/16/2004

The World Wide Web Consortium (W3C) has published VoiceXML 2.0 and Speech Recognition Grammar Specification (SRGS) as W3C Recommendations. The goal of VoiceXML 2.0 is to bring the advantages of Web-based development and content delivery to interactive voice response applications. The announcement marks the advancement to Recommendation status of the first two specifications in W3C's Speech Interface Framework. Aimed at the world's estimated two billion fixed line and mobile phones, W3C's Speech Interface Framework will allow people to use any telephone to interact with appropriately designed Web-based services via key pads, spoken commands, listening to pre-recorded speech, synthetic speech and music. In the W3C Speech Interface Framework, VoiceXML controls how the application interacts with the user, while the Speech Synthesis Markup Language (SSML) is used for spoken prompts and the Speech Recognition Grammar Specification (SRGS) for guiding the speech recognizers via grammars that describe the expected user responses. Other specifications in the Framework include Voice Browser Call Control (CCXML), and Semantic Interpretation for Speech Recognition, which defines how speech grammars bind to application semantics. [www.w3.org](http://www.w3.org)

## **JALIOS UNVEILS JCMS 4.1**

3/16/2004

Jalios announced JCMS 4.1, an upgrade of their content management platform. The new version has been specially developed to make its architecture compatible with the operational constraints of large companies and provide new functionality to support publication and collaborative working. JCMS 4.1 integrates content management and a documentary portal that can be integrated in an infrastructure portal. Its products are based on an architecture that doesn't require a relational database. JCMS 4.1 Enterprise Edition is a solution developed specifically for large enterprises. It can be used to create an unlimited number of websites for an unlimited number of users or contributors on a single server regardless of the number of processors. JCMS 4.1 Workgroup Edition is designed for individual departments or workgroups. JCMS 4.1 Midmarket Edition is for medium-sized enterprises. JCMS Universal 2.1 extends searches to attachments and enables universal distribution of documents in PDF format. Jalios JCMS 4.1 will be released in April 2004. JALIOS is a spin-off of Bull and INRIA and the fruit of INRIA research. The Jalios solution is based on the interactive web guide technology, developed by the Bull/INRIA joint venture Dyade. [www.jalios.com](http://www.jalios.com)

## **SMARTWEBS INTRODUCES WORKFLOW INTO WEB CONTENT MANAGEMENT PRODUCTS**

3/15/2004

Smartwebs announced a significant upgrade to its workflow system across all of the company's Web content management products. The new workflow system now allows businesses to ensure a further layer of accuracy and accountability by requiring the review and approval of Web



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content before it is published to a company Web site or Intranet. This advanced workflow feature utilizes multiple levels of user roles for content creation and content approval. Smartwebs' upgraded workflow system features an email notification to alert designated approvers of pending requests, and a content history feature which automatically creates an audit trail for accountability and compliance. [www.smartwebs.com](http://www.smartwebs.com)

## **VASONT JOINS GILBANE CONTENT TECHNOLOGY WORKS PROGRAM AS GENERAL PARTNER**

3/15/2004

Vasont Systems announced that it has joined forces with the Gilbane Report as a general partner of the Gilbane Content Technology Works Program, an industry initiative designed to develop and share content technology best practices and success stories. Vasont Systems brings to the program in-depth content management insight and examples based on more than a decade of experience in working with Fortune 1000 companies from a variety of industries. During the Gilbane Conference on Content Management on March 24-26, 2004, Vasont Systems will be exhibiting and Bret Freeman, Vasont Systems Field Support Manager, will be a speaker on the "One Minute with a CMS Vendor" panel. [www.vasont.com](http://www.vasont.com)

## **RENDERX & RASCAL ANNOUNCE PARTNERSHIP TO HELP USERS WITH XML TO PDF PUBLISHING**

3/15/2004

RenderX, Inc. and Rascal Software announced a strategic alliance where Rascal will be extending the functionality of their products to include high-quality print and PDF output using the RenderX XEP Rendering Engine. Rascal Software has embedded RenderX's XEP product into Veredus, Rascal's XML-based single-source authoring solution. Veredus, designed for documentation professionals, is an authoring tool for creating complete documentation projects. Veredus customers will be able to create PDF and print output through the embedded XEP software. XEP converts XML documents into a printable form (PDF or PostScript) by applying XSL Formatting Objects styling. XEP is written in Java and supports programming interfaces for XML processing, allowing it to be integrated into such applications as Veredus. [www.rascalsoftware.com](http://www.rascalsoftware.com), [www.renderx.com](http://www.renderx.com)

## **VIGNETTE UNVEILS EMPLOYEE PORTAL APPLICATIONS WITH FULL JSR 168 SUPPORT**

3/15/2004

Vignette Corp. announced the general availability of Vignette Application Portal 7.0, with added capabilities including increased internationalization support, support for users with disabilities and broad platform support. Vignette Application Portal 7.0 is immediately available for trial evaluation purposes at no charge. In addition, Vignette offers plug-ins for Integrated Development Environments (IDEs), which give software developers a way to develop JSR 168 portlets within their IDE of choice and deploy them within Vignette Application Portal. Vignette Application Portal 7.0 has been certified by Vignette on the Sun Microsystems Test and Compatibility Kit (TCK) for compliance with the recently adopted JSR 168 portlet interoperability standard, and customers can leverage existing portlets designed for other vendors' JSR 168-compliant portals. In addition, Vignette Application Portal now provides support for compliance with the Americans with Disabilities Act and Section 508. Vignette Application Portal 7.0, which

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has been verified for compliance using the federal government's Voluntary Product Assessment Test (VPAT), allows disabled administrators to easily manage portal sites. Licensing costs begin at \$75,000. [www.vignette.com](http://www.vignette.com)

## **CARDIFF EXTENDS CHANNEL COVERAGE IN EMEA**

3/10/2004

Cardiff Software Ltd. announced that Dreamsoft, a French-based consulting and integration service company, and Realise, a Scottish e-business solutions company, have become certified channel partners for Cardiff LiquidOffice. Additionally, Realise will act as a certified channel partner for Cardiff LiquidCapture. Dreamsoft integrates workflow and portal products into organisations across a range of vertical markets. Cardiff's suite of business process automation solutions will complement Realise's existing content management, document management and portal product portfolio which includes Interwoven, RedDot, Plumtree and Vignette technologies. Cardiff's capture and eForm solutions support all types of forms, including PDF, HTML and InfoPath. [www.cardiff.com](http://www.cardiff.com)

## **OPEN TEXT LAUNCHES ENTERPRISE INSTANT MESSAGING FOR LIVELINK**

3/10/2004

Open Text Corporation announced enterprise-wide instant messaging (IM) for Livelink. The solution, called Livelink Instant Messenger, offers the ability to retain and track IM content, providing a record of electronic communication for legal and regulatory requirements. Once retained, IM content becomes fully indexed and auditable, so users can search in Livelink to retrieve specific information. This capability gives companies a way to capture useful content in IM and make it searchable as part of a company's corporate knowledge repository. Livelink Instant Messenger also offers improved security over IM solutions used by consumers. Embedded in Open Text's Livelink suite, Livelink Instant Messenger is deployed inside the firewall, and utilizes SSL to encrypt information both inside and outside the firewall. Livelink Instant Messenger will be available March 15 and works with Livelink 9.1.0 SP4 and 9.2 SP1 on all supported platforms. [www.opentext.com/livelink](http://www.opentext.com/livelink)

## **CROWN PARTNERS ANNOUNCES BULDOSER 2.2 & 'WEB IN THE BOX' WCM ENHANCEMENTS**

3/10/2004

Crown Partners announced the release of the latest suite of software products that are built for supporting large enterprise users of Documentum's WCM Edition. The new Bulldoser release offers clients a method to move content from other systems to Documentum or between Documentum Docbases. The "Web in the Box" is a product and Professional Services solution which provides for a bundle of enhancements for WCM, such as Site Identifier, Dynamic Content Factory, and WCM Wizard. [www.crownpartners.com](http://www.crownpartners.com)

## **DATAWATCH RELEASES VORTEXML DESIGNER V3**

3/9/2004

Datawatch Corporation released VortexXML Designer V3, with W3C XML schema support and other features that make it easier to convert data into valid XML for Web Services, content management, online bill presentment, application integration, and many other applications that require XML. VortexXML Designer allows users to visually extract, map and transform data from structured text output (including invoices, purchase orders, reports, log files and HTML documents) into valid XML, without programming. The desktop application extracts and inter-



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prets a variety of string, numeric and datetime formats from text data, and enables transformation and derivation of that data. VortexXML Designer is part of a solution suite that also includes VortexXML Server, a product that automates the extraction and conversion of text documents into XML. Pricing starts at \$599 for a single user license of VortexXML Designer. VortexXML Server starts at \$7,999 per server. VortexXML Designer V3 system requirements are Windows 98, ME, 2000, NT 4.0+ or XP, Internet Explorer 5.5 with SP2+, and MSXML 4.0. A free evaluation copy of VortexXML Designer V3 can be downloaded. [www.datawatch.com](http://www.datawatch.com)

## **IBM ANNOUNCES AGREEMENT TO ACQUIRE TRIGO**

3/9/2004

IBM announced it has agreed to acquire all the shares of Trigo Technologies, Inc., a provider of product information management middleware. Financial details were not disclosed. Trigo's product information management middleware enables companies to integrate and centrally manage comprehensive product information that is typically scattered across an enterprise and a supply chain. Trigo's middleware also links product-related information with terms of trade such as pricing and then synchronizes this information internally with existing enterprise systems and externally with business partners. The acquisition of Trigo's technology will extend IBM's portfolio of integration middleware as part of the WebSphere brand of products. The acquisition is subject to customary closing conditions, including government regulatory approval. The two companies expect to close the deal in the second quarter of 2004.

[www.software.ibm.com](http://www.software.ibm.com), [www.trigo.com](http://www.trigo.com)

## **INDUSTRIAL MEDIUM UNVEILS EXPRESSROOM 2.7**

3/9/2004

Industrial Medium unveiled Version 2.7 of its Expressroom content management system, the first major upgrade to the software since it was acquired from Borland Software last year. Version 2.7 includes major enhancements to the core product, including new automation tools, an embedded search engine for searches both within Expressroom and on the resulting Web site, lower resource utilization for higher performance, and significant improvements to all major software modules. An optional module, the Expressroom Document Assistant, allows content authors and other contributors to create and edit documents in Microsoft Office programs and transform them into Web content designed specifically for their sites. The module automatically handles the reformatting and conversion tasks for a range of text, image, presentation and other file formats. Expressroom was originally developed in 1997 by Worldweb.net, based in Alexandria, VA. Worldweb, along with Expressroom, was acquired in 2001 by Starbase Corp. Two years later, in January, 2003, Starbase was in turn bought by Borland Software. Last May, Industrial Medium finalized an agreement with Borland to acquire the Expressroom product line. Expressroom 2.7 is available for immediate deployment. [www.industrialmedium.com](http://www.industrialmedium.com)

## **BLACKBOARD ANNOUNCES GENERAL AVAILABILITY OF THE BLACKBOARD CONTENT SYSTEM**

3/9/2004

Blackboard Inc. announced the general availability of the Blackboard Content System. The Blackboard Content System benefits students, faculty and campus IT administrators by lowering the costs and increasing the simplicity of managing learning content, digital assets and e-Portfolios in an enterprise learning environment. The Blackboard Content System is one system in the Blackboard Academic Suite, a family of integrated applications that provides a unified enterprise environment for teaching, learning, research, knowledge-sharing, communication, and student life. The three solutions that make up the Blackboard Academic Suite, the Blackboard

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Learning System, Blackboard Content System and Blackboard Portal System, have a shared architecture, consistent interfaces, file sharing, and administration features. [www.blackboard.com](http://www.blackboard.com)

## **SNAPBRIDGE ANNOUNCES GENERAL AVAILABILITY OF SNAPBRIDGE XSTUDIO 2.5**

3/9/2004

Snapbridge Software announced Snapbridge XStudio 2.5, a drag-and-drop development environment for building information processing solutions based on XML technologies. The improved development tool allows drag and drop development to choreograph the integration and publication of data and content with no coding or data schema required. In addition to availability on a stand-alone basis, XStudio is bundled with each version of FDX Information Server to provide developers with tools to build, test, debug, and deploy information integration solutions built with XStudio 2.5 for deployment to a full production environment. Snapbridge FDX Information Server is available in 3 editions, scaled appropriately to meet organizational needs. Both XStudio 2.5 and FDX Information Server are based on Snapbridge FDX, a technology for federating large amounts of heterogeneous kinds of data in real-time, including data from relational databases, flat files, mainframe data, Web services, digital images from content repositories, streaming feeds, etc., to create composite objects that can be viewed, or updated as part of a transaction. XStudio 2.5 retail price is \$199 USD per seat and can be downloaded at [www.snapbridge.com](http://www.snapbridge.com)

## **QUADRALAY LAUNCHES WEBWORKS FINALDRAFT**

3/9/2004

Quadralay Corporation, announced WebWorks FinalDraft, a new product that helps writers produce high-quality content by streamlining the edit-and-review process. FinalDraft gives technical writers, documentation departments, engineering groups, marketing organizations, and other content providers the ability to achieve accurate and complete documents. FinalDraft offers functionality designed to address the entire edit-and-review process from first draft to final. Instead of printing out numerous documents, keeping track of colors, or e-mailing different versions of a document to multiple reviewers, all drafts are automatically generated from a single source document, authored in Microsoft Word or Adobe FrameMaker. FinalDraft is an e-mail-based system, so a Web server is not required. Drafts are sent to reviewers as WebWorks Archive files (HTML), requiring only a small plug-in installed into Microsoft Internet Explorer, available at no additional cost. FinalDraft is based on .NET. FinalDraft uses a well-planned graphical user interface with toolbars, menus, and keyboard shortcuts. WebWorks FinalDraft will be shipping in April 2004. It will be available for purchase by authors for US\$399 at [www.webworks.com](http://www.webworks.com)

## **XEROX INTEGRATES IBM'S DB2 TECHNOLOGY, DEVELOPS DOCUSHARE RECORDS MANAGER**

3/8/2004

Xerox Corporation announced it will integrate IBM's DB2 Records Manager software into Xerox DocuShare. The integrated software, called DocuShare Records Manager, will help businesses comply with government and industry regulations, legislation and standards that relate to the safeguarding of content and documents. Documents of record can remain protected in their original DocuShare locations for ongoing access by a broad audience, or they can be moved to a central archive server for more restricted access. In all cases, once documents are declared as legal records, editing authority is granted only to designated records management administrators. Organizations already using DocuShare will need only minimal training for DocuShare Re-

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docs Manager because it has the same user interface. While suitable for smaller organizations, DocuShare Records Manager can also be deployed to a large number of users and can be implemented either on the same physical server as DocuShare, or on a separate server for wider use across the enterprise. DocuShare Records Manager is expected to be available during the second half of 2004 through select Xerox resellers. [www.xerox.com/docushare](http://www.xerox.com/docushare)

## **CONVERA ANNOUNCES TAXONOMY WORKBENCH & FIVE NEW INDUSTRY TAXONOMIES**

3/8/2004

Convera announced Taxonomy Workbench, a complete set of tools for organizing large amounts of disparate data. Taxonomy Workbench is designed for use by information managers, librarians, and subject matter experts. The Workbench helps create an easily searched organizational structure for each organization's own specific online public information. To leverage data organization models that are already in place, users can integrate and modify existing taxonomies or thesauri. Automated import, generation, combination and pruning wizards aid in accelerated taxonomy and classification development. Convera also introduced five new industry-specific taxonomies including Genetics, Finance & Business, General Enterprise, Technology and U.S. Government. The new Convera taxonomies are enhanced versions of taxonomies that contain a controlled vocabulary and classification structure developed by taxonomy builder ProQuest Information and Learning. The ProQuest framework for each industry-specific taxonomy enables precise mapping of data and an exact search of subject fields. Each taxonomy powered by ProQuest is regularly updated. [www.convera.com](http://www.convera.com), [www.il.proquest.com](http://www.il.proquest.com)

## **FILENET ANNOUNCES TEAM COLLABORATION MANAGER**

3/8/2004

FileNet Corporation unveiled its new Team Collaboration Manager solution. Additionally, FileNet announced it is partnering with Web Ex, Centra Software, Cimmetry and Web4, a division of netGuru, Inc., to offer integration and support for real-time Web conferencing. An enterprise-wide solution, Team Collaboration Manager is a web-based, out-of-the-box solution to deliver team collaboration integrated with content management and fully functional business process management (BPM) capabilities. Team Collaboration Manager is designed to provide the structure and tools, including ad-hoc tasks, discussion forums, live meetings, and interactive polls, to enable group members to share information, participate in structured and unstructured processes and handle exceptions to these processes across geographic or functional areas. Team Collaboration Manager features a scalable and integrated architecture and common content repository. This enables the full range of both structured and unstructured project content to be repurposed throughout the enterprise, and enables project activities to be integrated with other enterprise-wide business processes to extend the value of collaboration. FileNet Team Collaboration Manager can be deployed at the application or service level. Customers are able to modify the look and feel of the application and add capabilities to meet their specific business requirements. FileNet's Team Collaboration Manager is scheduled to ship in the third quarter of 2004. [www.FileNet.com](http://www.FileNet.com)

## **ADOBE ADDS AUTOMATIC 2-D BARCODES TO PDF FORMS**

3/8/2004

Adobe Systems Incorporated announced a new forms processing solution that extends the Adobe Intelligent Document Platform with 2-D barcode technology. Adobe's barcode-enabled forms solution will provide a unified environment to support both paper and electronic forms processes, and help customers eliminate the need for manual data entry while managing high-

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volume, paper forms processes such as tax returns, voter registration documents, account applications, and change of address requests. The Adobe solution will enable organizations to create Adobe PDF forms that include 2-D barcodes, technology that captures significantly more information than a traditional, one-dimensional barcode. Once distributed to customers or constituents via the Web, email or CD-ROM, the forms can be completed on- or off-line using Adobe Reader. As end users complete form fields, the 2-D barcode dynamically encodes the data in a format specified by the form author. Once completed and printed by the user, forms can be submitted by mail or fax. Upon receipt, organizations simply scan the barcode to capture the form data and deliver it to a back-end system for processing. The barcode-enabled forms solution will be piloted during 2004 and available by the end of the current calendar year through Adobe's server product line. Pricing will be announced with availability in the second half of 2004. [www.adobe.com/enterprise/main.html](http://www.adobe.com/enterprise/main.html)

## **INTERWOVEN ANNOUNCES AVAILABILITY OF MEDIABIN ASSET SERVER 4.0**

*3/8/2004*

Interwoven, Inc. announced the availability of Interwoven MediaBin Asset Server 4.0. MediaBin 4.0 is the cornerstone of Interwoven's Marketing Content Management Solution, also announced, providing a foundation for solutions that manage the marketing content supply chain between enterprises and their internal and external sales channels. The new version connects multiple servers, both inside and outside of the organization, to help manage all marketing content locally, while providing centralized, global access for employees and business partners to ensure that brand-related digital content is always properly formatted and up-to-date throughout the marketing content supply chain. Features in MediaBin Asset Server 4.0 include Syndication Manager, a Mac OS X Client, metadata enhancements, and MetaTagger Content Intelligence Server Integration. Interwoven MediaBin Asset Server 4.0 can be purchased from Interwoven today. [www.interwoven.com](http://www.interwoven.com)

## **EKTRON RELEASES CMS300 VERSION 4.1**

*3/8/2004*

Ektron Inc. announced the latest version of the company's content management solution, CMS300. Ektron CMS300 Version 4.1 now includes support for membership groups, administrators and users can create, assign and monitor content management tasks on a Web site or intranet, a "smart desktop dashboard", highlighted search, Out-of-the-box intranet, IXIASOFT TEXTML integration, and threaded comments. [www.ektron.com](http://www.ektron.com)

## **DOCUMENTUM TEAMS WITH THUNDERHEAD TO DELIVER SOLUTION FOR DYNAMIC CONTENT PUBLISHING**

*3/8/2004*

Documentum announced a strategic alliance with Thunderhead, Ltd., a provider of technology for rules-driven document assembly and multi-channel publishing. Documentum will integrate Thunderhead with its ECM platform and deliver a solution that will enable organizations to automate and accelerate the creation, assembly and delivery of vast quantities of personalized documents across multiple channels such as email, web, PDAs and print. This solution is designed for highly regulated industries such as investment and retail banking, insurance and other financial services, which rely on high-volume, document-intensive processes as the foundation of their core business. The solution leverages business rules to guide the assembly of finished documents from components that may include regulated content, personalized text,

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graphics and data. Built on J2EE and XML, the solution allows non-technical business users to remain in control of the document generation and publishing processes.  
[www.thunderhead.com](http://www.thunderhead.com), [www.documentum.com](http://www.documentum.com)

## **VASONT SYSTEMS UNVEILS VASONT UNIVERSAL INTEGRATOR**

3/8/2004

Vasont Systems announced the availability of the Vasont Universal Integrator (VUI) as a software extension of Vasont, a content management system that enables organizations to store their multilingual content once for delivery to print, PDF, CD-ROM and Web formats. The VUI streamlines the writing and editing process by providing a simple editorial interface so that authors and editors can access the Vasont content management system's functionality from the toolbar menu of their favorite XML editing tools. The VUI eliminates the need for users to toggle back-and-forth between applications; instead, they can work within their editorial tools while accessing, editing, and updating their content in Vasont. [www.vasont.com](http://www.vasont.com)

## **VIGNETTE SHIPPING SUITE ON LINUX**

3/8/2004

Vignette Corp. announced that it is shipping a suite of content management, integration and portal applications that natively support the Linux operating system. The recent addition of Linux support to Vignette Content Management and Vignette Business Integration Studio join existing support for Linux in Vignette Application Portal to enhance Vignette support for Linux. [www.vignette.com](http://www.vignette.com)

## **CAMBRIDGE DOCS ANNOUNCES xDOC SOFTWARE DEVELOPMENT KIT FOR BUILDING DOCUMENT-CENTRIC XML SOLUTIONS**

3/8/2004

CambridgeDocs announced the xDoc SDK. Aimed at providing programmatic access to the xDoc Server's APIs, the xDoc SDK is designed to reduce the time it takes for developers to build custom business applications that take advantage of the rich content stored in unstructured documents. CambridgeDocs' xDoc Server functionality not only automates the conversion of files to XML, but is also capable of transforming XML documents into desired output XML schemas or even to end-user documents like MS Word, PDF or XHTML. The xDoc SDK contains access to all of CambridgeDocs' APIs including .NET, Command Line, and COM as well as an enhanced Java API, and Servlet Interface for EJB connections. With the xDoc SDK content-centric applications can be built on top of either Linux or Windows systems. CambridgeDocs' Server support XSLT, and XSL:FO. It can also use any XML-schema or DTD as the target or source for transformation, including DocBook XML, 3001 MIL STD, Legal XML or customer-specific schemas or DTDs. [www.cambridgedocs.com](http://www.cambridgedocs.com)

## **DOCUMENTUM DELIVERS APPLICATION XTENDER 5 CHANNEL EDITION - CONTENT MANAGEMENT FOR WINDOWS**

3/8/2004

Documentum announced the availability of Documentum Application Xtender 5 Channel Edition -- Content Management for Windows. The AX5 solution is a new integrated suite of document imaging, document management, computer output to laser disk (COLD) report management and workflow services. An out-of-box solution built on a central information repository, Documentum AX5 allows customers to create an "electronic file cabinet" for informa-

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tion, enabling the capture, organization and delivery of fixed content images, documents, reports and other business-critical information. Documentum AX5 is the next-generation of the LEGATO ApplicationXtender product suite. Available through channel partners only, Documentum AX5 is suited for value-added resellers (VARs) and distributors seeking an image, report capture and archiving solution. With the new Web client, organizations can provide end users with full access to the central repository and content services through Internet Explorer or other browsers. Documentum AX5 now offers support for Windows Server 2003 and takes advantage of NT and LDAP security services -- offering access controls, secure communications, verifiable transactions and support for digital signatures. [www.documentum.com](http://www.documentum.com)

## **POUND HILL ANNOUNCES FILEMAKER ASSET MANAGEMENT PLUG-IN, APPLESCRIPT & PHP EXTENSIONS FOR XMP**

3/8/2004

Pound Hill Software announced the availability of three new tools for using metadata to automate workflows and creating digital asset management systems. The new tools support AppleScript, Filemaker, and PHP. Each incorporates Adobe's XMP toolkit and scanning technology. Metadata created in Adobe applications or custom Catalyst-defined metadata from Adobe applications or QuarkXPress can be read and piped into external databases such as Filemaker or used to trigger actions in an automated network workflow with AppleScript or PHP. The Filemaker plug-in provides the technology to turn any Filemaker Pro 6 or 7 database into a digital asset management system. Since the Filemaker XMP plug-in also incorporates XMP Toolkit and scanning technology, standard and custom metadata can be read and used in new or existing Filemaker database records. Each of the plug-in kits costs USD\$350 per server (Filemaker) or machine (development use) and is available now. [www.poundhill.com](http://www.poundhill.com)

## **AUTONOMY ANNOUNCES OEM ALLIANCE WITH CAPTIVA**

3/4/2004

Autonomy Corporation plc announced a strategic OEM agreement with Captiva Software Corporation. Captiva will embed Autonomy's pattern-recognition technology within its Digital Mailroom system to provide customers with classification and routing for digitized images of inbound mail and electronic communications. Autonomy's pattern-recognition software will replace Kofax's Mohomine toolkit. [www.captivasoftware.com](http://www.captivasoftware.com), [www.autonomy.com](http://www.autonomy.com)

## **PEMBROKE INTERNATIONAL PROVIDES BRIDGE BETWEEN LOTUS NOTES & DOCUMENTUM CMS**

3/2/2004

Pembroke International announced Lotus Notes Integrator for Documentum (LNI) that enables integration with and migration from Lotus Notes to the Documentum Content Management System. Deployed as an automated enterprise implementation, the Documentum Integrator can be used for one-time export and as a co-existence solution for maintaining Notes authored documents in Documentum. Features include: export of either the Notes client or Web view of documents; metadata map between Notes fields and Documentum document attributes; runs on either an ad hoc or scheduled basis, automatically adds new content or revisions to Documentum, or replaces existing content; automatic attachment of Doctypes, ACLs, Workflows and Lifecycles to document objects; batch processing of local and remote databases and Views; resolves Inter/cross-database doclinks to Documentum http links so documents are fully functional after uploading; and attachments linked to parent documents. [www.pembroke-int.com](http://www.pembroke-int.com)



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## **XYENTERPRISE ANNOUNCES XML PROFESSIONAL PUBLISHER (XPP) & XPP WEB SERVICES FOR HP-UX**

3/2/2004

XyEnterprise announced the availability of its XML publishing software - XML Professional Publisher (XPP) - on the HP-UX platform. XPP is used for automated and interactive publishing in XML publishing environments, providing support for XML content, automated rendering, and Web Services integration. In addition to the HP-UX operating environment (version 11i), XPP 7.2 is available for Windows, Solaris, and AIX. The XPP Web Services Development Kit, used to create standard XML and Web interfaces to XPP's unique capabilities, is also available on all platforms. [www.xyenterprise.com](http://www.xyenterprise.com)

## **MERANT ANNOUNCES MERANT COLLAGE 4.5**

3/2/2004

Merant announced a new version of its web content management (WCM) solution, Merant Collage. Collage now features automatic workflow generation, incremental content deployment, and broader support for Web Services. In addition to support for Linux, Solaris, Windows 2000 and Windows XP, Merant Collage now supports Windows Server 2003 and AIX. Using Merant Collage Automatic Workflow, users can author content from within common desktop applications, such as Microsoft Office, and then save it to Merant Collage where it is automatically routed through appropriate workflow processes. Merant Collage 4.5 also includes "incremental deploy," a new capability which enables organizations to intelligently deploy complex web sites. The product analyzes any new changes to content and calculates what needs to be deployed to the production server so that very large web sites can be rapidly deployed on a regular basis. Merant Collage 4.5 will be available in April 2004. [www.merant.com](http://www.merant.com)

## **CROWNPEAK & LIONBRIDGE FORM STRATEGIC ALLIANCE**

3/2/2004

CrownPeak Technology and Lionbridge Technologies, Inc. have entered into an alliance to jointly deliver a comprehensive content management solution for Lionbridge's language applications. CrownPeak clients will be able to outsource the full cycle of content management, content translation and translation publishing. CrownPeak's Advantage CMS will connect to the Lionbridge Globalization Platform technologies. The Lionbridge Alliance Program provides CrownPeak with resources and tools to jointly develop, market, sell and deliver its solutions to global customers. [www.crownpeak.com](http://www.crownpeak.com)

## **PROGRESSIVE INFORMATION TECHNOLOGIES ANNOUNCES DIVISION NAME CHANGE FOR CONTENT MANAGEMENT SOFTWARE**

3/1/2004

Progressive Information Technologies announced that its Vasont content management software applications and service offerings will now operate under the name "Vasont Systems," a sister division of Progressive Information Technologies. The new name better reflects Vasont's range of applications and services and is a result of the product's growth and brand recognition in the content management software market. Since Vasont was initially developed, it has evolved into several applications including: Vasont Client/Server, Vasont Web Application, Vasont ASP, and Vasont SG (a low-cost version designed for small editorial groups). Additionally, Vasont Systems markets a variety of services, including data analysis and modeling, document type definition (DTD) writing, and Vasont software training services. [www.vasont.com](http://www.vasont.com)

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## **PERCUSSION INTRODUCING LYRIX 2**

3/1/2004

Percussion Software announced the new release of Lyrix 2, a content integration product for Lotus Domino. New features include enhanced support for Microsoft SharePoint; bi-directional support for both Content Services and Content Transfers, giving users the ability to submit content changes from target applications to Domino applications; and additional sample applications to help organizations take advantage of Lyrix capabilities immediately. Lyrix 2 enables out-of-the-box reuse of Domino content in a variety of enterprise applications. Lyrix 2 is based on a Web services architecture that automatically transforms all unique Domino attributes (e.g., Rich Text, embedded images, doc links, attachments, etc.) into XML and XHTML. Using Lyrix's visual mapping interface, developers create Content Types, which define the pieces of Domino content required by external applications. Domino content can then be accessed directly with Content Services, or it can be transferred to external file systems and databases using Content Transfers. [www.percussion.com](http://www.percussion.com)

## **50 INDUSTRY LEADERS ON BOARD FOR GILBANE CONFERENCE ON CONTENT MANAGEMENT**

3/1/2004

The Gilbane Report and Lighthouse Seminars announced that 50 organizations have signed up so far to support the Gilbane Conference on Content Management as sponsors and exhibitors. The conference, being held at the Westin Bonaventure in Los Angeles, March 24-26, 2004, is entirely focused on content management technologies and includes 26 sessions and tutorials covering today's most critical issues for businesses planning or implementing content management strategies. Microsoft is the Platinum sponsor of the Gilbane Content Management Conference in Los Angeles. Gold sponsors include Vignette, Context Media, and GMC Software. Other sponsors include IDC, InfoWorld, eContent Magazine, CMSWatch, Transform Magazine, XML Journal, Web Services Journal, OASIS, IDEAlliance, OSCOM, WOW, and G-SAM. Additional exhibitors include Advent 3b2, Arbortext, Astoria, aXtreme Minds, Blast Radius, Convera, Crown-Peak, Day, Documentum, Ektron, empolis, Ephox, exegenix, Globalscape, immediacy, INCSI, IXIASoft, Kofax, Macromedia, Open Text, Percussion, RedDot, Refresh, RenderX, SchemaLogic, Software AG, Snapbridge, ThomasTech, Trados, Vasont, Weborganic, and more. For a complete list of sponsors and exhibitors see [www.gilbane.com/CM\\_conference\\_sponsors\\_LA\\_04.html](http://www.gilbane.com/CM_conference_sponsors_LA_04.html), [www.lighthouseseminars.com](http://www.lighthouseseminars.com)

## **MEDIASURFACE RELEASES MEDIASURFACE 5 & "MORELLO"**

3/1/2004

Mediasurface announced the release of Mediasurface 5 and Morello, a Smart Client Office application for content management. Morello is a desktop application with a graphical interface enabling business professionals to deliver sophisticated websites; requiring no knowledge of HTML. Presented through a Windows client environment, Morello users can select template, explore content and using a choice of views, organise the site in a way that makes sense to them. The Mediasurface Knowledge Module extracts meaning from a piece of content and uses the meaning to make sites easier to maintain and search. For example, as new content is entered, it can be classified and automatically attached to the relevant part of the site. Once complete the content is then available for searching by its genuine meaning, making finding information an easier task. Browser based access to edit and manage content across the web is available via the Mediasurface Content Management Console (CMC). The Mediasurface web based contribution and management layer contains tools such as "to do" lists, rich text editing, content searching and workflow visualisation. [www.mediasurface.com](http://www.mediasurface.com)



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## **VERITY RELEASES K2 ENTERPRISE 5.5**

3/1/2004

Verity Inc. announced the availability of release 5.5 of its Verity K2 Enterprise (K2E) advanced search, classification and recommendation software. The latest version includes five capabilities that will enable intellectual capital management system administrators to better monitor and manage their systems and users to locate or uncover information with greater ease, speed and accuracy. The new features are: Advanced Query Analytics, that enable real-time analysis of how an ICM system is being used and performing; Event-Driven Indexing, to provide users access to new, time sensitive documents in real time; Session-Based Recommendations, to suggest relevant documents, experts or other entities based on the user's profile and most recent search activities; Query-Based Summaries, to assist users in identifying relevant content without opening the document; and, Spelling Suggestions, to improve search results with alternate spellings, even for words not found in standard dictionaries. [www.verity.com](http://www.verity.com)

## **VENETICA ANNOUNCES CONTENT BRIDGE 2.0, EXTENDS IBM LOTUS NOTES SUPPORT**

3/1/2004

Venetica announced the availability of its second generation Content Bridge for IBM Lotus Notes. The new Content Bridge, used in conjunction with Venetica's ECI platform VeniceBridge, enables customers to leverage distributed Notes content, together with content stored in other repositories. The new Content Bridge supports Lotus Domino 6.0 and 6.5, provides enhanced capabilities for displaying Lotus Notes information, and improves performance for bulk extraction of Lotus Notes documents. In addition to providing XML and meta-data-based versions of Lotus Notes documents, the Content Bridge now makes available a web-based display of Lotus Notes documents that mirrors what an end-user would see in the Lotus Notes client. Venetica's technology has been deployed in IBM customer environments on multiple IBM operating systems including AIX, Linux and zOS. [www.venetica.com](http://www.venetica.com)



### *New Technologies & Best Practices*

Our Boston event is being launched to complement our other content management conferences with an anchor event that covers all major content technologies. Our other conferences focus on topics for businesses embarking on a content management project. Our 3-day Boston conference will still include everything a project team needs to know, but will also offer a look ahead at upcoming technologies, "new" best practices, and a broader look at technologies necessary to supplement core content management applications. We are accepting proposals for speaker presentations and panels.

### **How to submit a proposal**

Email a proposal that is relevant to the topics below to [speaking@gilbane.com](mailto:speaking@gilbane.com). Most presentations will be part of panels covering the same topic. We do not accept sales pitches or marketing presentations. PR firms should only forward proposals submitted by the actual presenter. Please send an abstract, speaker bio, and speaker contact info. For additional guidelines and information see [http://www.gilbane.com/speaker\\_guidelines.html](http://www.gilbane.com/speaker_guidelines.html)

### **Topics to Include**

- Enterprise Content Management
  - Digital Asset Management
  - eForms
  - Authoring tools
  - Multichannel delivery
  - Content security
  - Multi-lingual content management
  - Document management and fixed content management
- Web Content Management
- Content Collaboration and Knowledge Management
  - Taxonomies, categorization & search
  - Topic Maps
  - Information architecture and modeling
  - Intranets and portals
- Content and enterprise commerce
  - Product Information Management & eCatalogs
  - Brand management
  - Syndication
  - Digital rights management and rules management
- Content Technology Works™ success stories & best practices
- Enterprise Information Integration
  - Metadata development and management
  - Content and data federation
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- Enterprise content architectures
  - Web and content services
  - Repository architectures
  - System design
  - Open source CMSs, databases, and tools
  - Security
- Emerging technology
- Standards technologies and their effect on content strategies
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**The Gilbane Conference on Content Management Technologies.** *Westin Copley Place, Boston MA, November 30 – December 2, 2004.* Our Boston event is being launched to complement our other content management conferences with an anchor event that covers all major content technologies. Our other conferences focus on topics for businesses embarking on a content management project. Our 3-day Boston conference will still include everything a project team needs to know, but will also offer a look ahead at upcoming technologies, "new" best practices, and a broader look at technologies necessary to supplement core content management applications. We are accepting proposals for speaker presentations and panels through May 15. [www.gilbane.com/CM\\_conference\\_Boston\\_04.html](http://www.gilbane.com/CM_conference_Boston_04.html) or [www.lighthouseseminars.com](http://www.lighthouseseminars.com)

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