

THE GILBANE REPORT™

Content, Computing, and Commerce – Technology & Trends

Vol. 9, No. 7
September, 2001



www.gilbane.com

Published by:
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EDITORIAL INTERFACES & ENTERPRISE-ENABLED CONTENT

We have defined enterprise content management as “content management that goes beyond Web publishing to manage all enterprise content for all enterprise applications.” Enterprise content management cannot be accomplished by a content management system alone. Enterprise content management requires content with rich metadata and flexible business rules that can be accessed and used by many different types of users and applications. The applications and processes used for creating such enterprise-enabled content are critical, and deserve careful consideration.

As organizations implement enterprise content management they recognize quickly that authoring and editorial processes that rely primarily on HTML collaboration and presentation tools are inadequate. Tools that may work well for web publishing or single-purpose applications quickly break down when faced with application and information integration requirements. How do you create and maintain enterprise-enabled content? XML editors are certainly one option, but many users need more traditional word processing access or highly customized interfaces to specific content components and metadata. Companies are unlikely to find a single approach that will meet all their user requirements. This month Bill and David help you think through the various approaches to creating enterprise-enabled content.

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EDITORIAL INTERFACES & ENTERPRISE-ENABLED CONTENT

Today, there's little question about structured content being an essential requirement for content management. As our last report discussed, content management and XML are part and parcel of the new enterprise infrastructure. Content is drawn from a variety of internal and external sources, must be kept up to date, often needs to effectively address various audiences, and be displayed and distributed through a growing number of formats and devices. The integration of content management systems into enterprise information portals, personalization servers, localization and translation applications, integrated business applications, and content security platforms—to name just some applications—demands that the content being managed has intelligence applied to it. We refer to such content as *enterprise-enabled content*; that is: content that can be accessed and utilized by multiple types of users and applications. Enterprise-enabled content has business rules and other metadata associated with it.

But if structured content is a requirement, does it follow that “structured editing” must go with it? And does “structured editing” mean XML editors for every user? So far, the answer from the marketplace seems to be no. HTML forms-based interfaces dominate, and if content management vendors see a “next phase” for the editorial interface, they seem to be leaning toward tighter integration of Microsoft Word. Some hope, of course, that the market will turn, *en masse*, to XML editing tools. But our analysis suggests that likely won't happen anytime soon. The state of the art in editorial interfaces is a mixed bag, and likely will remain so—with some XML editing, some forms editing, some integration of tools like Microsoft Word, and an assortment of specialized tools for conversion, pre-tagging, and post-tagging of content as it goes in and out of content management repositories.

Underneath this mix of approaches, a useful question to ask is: “Who adds the structure and intelligence to the content, and how should it be added?” Not surprisingly, the answer is neither simple nor easy. But answering this question will force a company to understand its own culture and its business processes in important ways and help expose the technical requirements and the tools the enterprise might use.

EDITORIAL TOOLS & CONTENT MANAGEMENT SYSTEMS

For many enterprises, today's Web content comes to IT producers already formed, from such diverse sources as technical documentation groups, HR staff, outside content providers and syndicators, and marketing departments. Up until fairly recently, the “Web team” has been narrowly focused on “getting the content up” and, within some organizations, enhancing or customizing the look and feel of the content. This narrow focus runs in opposition to the increasing trend within enterprises to create and interact directly with mission-critical Web content, such as with enterprise information portals. As enterprise content moves closer to the Web interface, enterprises need a tighter integration of editorial tools within their Web content management systems. Enterprises must balance

their current main emphasis on delivery of Web-focused content with tools for content creation, collaboration, and shaping that allow more intelligence to be captured from the start.

In the early days of the Web, everyone who contributed to a site needed to be a savvy HTML user, or hand off material to someone who was. As more and more people in an organization contribute and update content, the need increases for simple-to-learn forms and tools that allow contributors to concentrate on the material they are creating, and not on the intricacies of how that content should be tagged for Web presentation. It's also worth noting that direct entry of content in HTML has other significant drawbacks, not the least of which are inconsistent formats and the replication and propagation of differing versions of content and data. In short, HTML-based content can become a data management nightmare.

Table 1. Characteristics of web content types

	Static Pages	Dynamically Served Pages	Enterprise Enabled Content
Content	Undifferentiated	Chunking	Processable
Metadata	<META>tag	<META> with application interpretation	Multipurpose
Presentation	HTML	HTML	HTML, XHTML, XML
Behavior	HTML+Scripting	Templates	Servlets
Data Model	None	Relational (typically)	Schema



What Kind of Content? What Kind of Contributor? What Kind of Editorial Interface?

When it comes to content management systems and editorial interface issues, there are several fundamental issues to consider, such as content volume and complexity and the circumstances in which content is created, imported, and edited. For example, some enterprises may have only relatively small amounts of simple and slowly changing content that gets presented to a monolithic audience, while other enterprises must provide complex, voluminous, and frequently changing content to a variety of audiences, including the localization of the content across languages and countries. If an enterprise requires personalization, security, or digital rights management, they need sufficiently detailed tagging to associate business rules and other metadata with the content.

Intelligent tagging of content is more effective and efficient when done earlier in the editorial process, closer to the knowledge worker who knows the elemental structure of the content matter and its business value and audiences. This immediately raises basic cultural and technical questions for an enterprise:

- Do you want your knowledge workers tagging content at a fine-grain level (read: XML)?
- If you do want your knowledge workers doing fine-grain tagging, how far are you willing to go to both enforce structure and support the knowledge worker in the task?

In other words, do we all need to learn XML tagging, or are there other methods and tools that can be brought to bear that will result in the content being sufficiently structured and tagged?

Range of Content Creators, Range of Content Actions

Even in the instances where the content being managed for an enterprise is relatively simple, there are many individuals within the enterprise who may interact with the content management system, and these individuals have different roles and bring different tasks to the content. Consider the varying needs of the original contributor, the manager reviewing the content, the executive approving the final version, and the person encoding the content in HTML and posting it on the site. Indeed, as the content of the enterprise becomes more complex, and the volume of content increases, so too do the roles and potential tasks associated with the content.

Activities that may affect the same content over its life-cycle and require adding intelligence include:

- Content importing
- Content authoring/creating
- Content editing
- XML tagging
- Review/approval
- Workflow
- Version control
- Localization
- Updating
- Multiple platform transformation
- Personalization
- Digital rights management
- Syndication

HTML tools don't do the trick for content managing of anything but the most simple, static, and limited volume Web content, and even then, require other workflow applications for tracking revisions and updating. Tools such as FrontPage and Dreamweaver and HomeSite remain useful and popular tools for HTML editing and for display template designing, but they are only useful for limited delivery channels. They are not appropriate for managing enterprise-enabled content.

The following table suggests the range of authoring options that should be provided to users. It's based on how much they contribute to the enterprise content, and how much flexibility is typically appropriate for authoring.

Table 2. User types and tool requirements

Type of User	Preferred CM Authoring Tools
Occasional Contributor	Easy to use Web forms with embedded workflow.
Knowledge Worker/ Business Line Manager	Word processor or other office application integrated with content management application; structured editing interface to content management; Web forms as above.
Power User	All of the above, plus HTML and XML authoring.
IT Developer/ Administrator	All of the above, plus HTML and XML authoring, access to content management and authoring tool APIs for further customization and integration.

DIFFERENT EDITORIAL INTERFACES, DIFFERENT CONTENT MANAGEMENT SITUATIONS

While developments in editorial interfaces for content management systems lag behind most other aspects of these systems, it is already clear that there are several kinds of strategies for dealing with editorial issues. The strategies best for your situation depend upon the nature of both your content and your business needs.

Most content management tools focus on metadata capture through form- and template-based strategies in the hope of providing accessible and workable interfaces for creation of content. Others try to simplify the complex editorial processes of implementing structured content by using common office applications, either by building XML tagging capabilities on to Word, such as HyperVision's WorX (www.hvlt.com), or as a tightly integrated post-processor, such as Inera's eXtyle (www.inera.com). Most (if not all) content management systems manage Word documents to some degree, with some doing a better job than others in terms of "chunking" and inferring the structure of the Word content. Others rely on at least being able to index the Word document with some relevant metadata. Microsoft Word also can serve as the front-end behind which another program enables XML or other object-level tagging. J.D. Edwards' (www.jdedwards.com) Enterprise Content Manager, for example, uses Word as its front-end, managing componentized Word files in its single-source repository and uses the components to build output for multiple uses. And then there are the well-established SGML/XML editors for those who recognize that more pain up front yields better and more useful results on the back end, such as Arbor-text's Epic Editor (www.arbortext.com).

Breaking content into components that are managed within a content management system is effective not only in regard to single-source publishing, but can provide measurable ROI for some applications like translating and managing multi-lingual content. The addition of structural tagging and business rules tagging to the content can serve to maximize the content's usefulness from improved search and retrieval, personalization, and business-related issues such as compliance and security. As content management becomes more central to the operation of the enterprise, these capabilities become critical.

When it comes to considering editorial interfaces to or for content management systems, organizations have a number of options:

1. Forms-based interfaces have become *de rigueur* for content management systems. This is mainly because the CMS applications are often based on relational repositories, and the shortest distance between a thin client and a relational database is an HTML form. The bulk of CMS applications are reliant on this kind of interface as the primary means of entering and updating content and assigning metadata at a coarse level.
2. Word processing applications such as Microsoft Word can be used to create content to be stored in its native form, or saved out as HTML or other neutral format. The challenge, of course, is integrating the proprietary structures in Word with the more neutral structures the content management system stores—either relational databases, some sort of object storage, or XML. The level of granularity in tagging with this option can vary greatly; while Word itself only applies styles at a paragraph level, some editorial interfaces based on Word can impose XML- or object-level granularity.
3. HTML editors can be used to create and edit content that is stored as HTML, or smaller, relatively discrete “chunks” of content that can be mapped from the HTML to the underlying data structures. This approach has little efficiency for content situations where content needs to be finely grained and/or is of great quality.
4. Full-blown XML editing tools can be used to create and edit all or some of the content, and can also be used to interact with metadata. This approach provides the strongest capability for finely grained tagging of content, but also can be more expensive in terms of software seats, training, and support.
5. Pre-processing and post-processing tools can be used. For example, proprietary formats such as Microsoft Word and Quark Express can be “debinarized” and then run through filters on their way into the CMS, and then reverse processes can be performed on the way out. The level of tag granularity is dependent on the quality and capabilities of the filters and varies greatly.

Organizations that have implemented CMS applications are typically using a combination of such approaches, with forms-based interfaces leading the way. But each of the content creation/editing approaches has its strengths and weaknesses.

In fact, some editorial interfaces are more appropriate for some types of business situations than others. Some content management tools focus on metadata-capture through form- and template-based strategies in the hope of providing

accessible and workable interfaces for creation of content. Others try to simplify the complex editorial processes of implementing structured content by using common office applications.

CONTENT EDITING IS AN APPLICATION

The editorial interface to a content repository is, in fact, an application, or even a series of applications. This is, in effect, what the forms-based interface is, but it is often a haphazard application, a loose coupling at best.

The installed CM systems of today are replete with complex and multifaceted forms for content entry and updating. Indeed, first- and second-generation CMS projects were plagued with difficulties in first establishing such interfaces and later with maintaining them. The problem has been that if a CM customer implemented an editorial interface, and then later needed to change the underlying data structures then the enterprise was likely left with having to heavily modify or completely rewrite the editorial interface. This is especially true with CM applications that use relational databases as the underlying data store. This is not an approach that supports the goals of enterprise-enabled content.

One of the advantages of XML is that it makes such modifications easier. If the underlying data store is a relational database, and the interface is a heavily programmed form, a change to the underlying data structure is a complex, programming-heavy undertaking. If the underlying data structure is XML, a change to the underlying data structure typically means modifying the DTD and running some simple process so that the XML editor parses the text according to the revised DTD (which is usually a menu selection in a commercial XML editor).

This is not to say that all editorial interfaces must be XML editors. Indeed, the nature of enterprise content management is that the underlying data structures will be a combination of relational, XML, and other types. There will also be all manner of content in terms of length, value, and shelf life. The editorial interface(s) should then be appropriate to:

1. The type of content—both the data type and the length.
2. The type of user—from occasional contributor to IT administrator.
3. The point in the lifecycle of the content—initial creation through editing and updating.
4. The shelf life of the content.
5. The level of the tagging granularity required.

Such considerations would encourage implementers of CMS systems to consider and support a variety of potential interfaces. Several examples follow:

- A regular contributor to an XML database of complex and lengthy documents would be well served with a tightly integrated XML editor. But an *ad hoc* contributor to that same database should be given a simple-to-use and foolproof tool that exposes precisely the content this contributor needs to edit, and validates the content before returning it to the repository. This *ad hoc* user could also be supported by a workflow process that forwards his or her revised content to a more skilled editorial user to ensure the content was entered or updated correctly.

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- Corporate users of an Intranet that supports a small number of simple document types could use a set of Microsoft Word templates, with the Word files then being processed through a tool that normalizes the files into the format required by the CM repository. When the documents need to be modified, reverse processes could reconstruct the Word files for further updating and editing.
 - Metadata is likely a combination of XML, relational and other data types. By its nature, metadata is often structured, discrete, and relatively short in length. It also may include fixed values, choice groups ("yes" or "no," or "X," "Y," or "Z."), and other data types that lend themselves to structured interfaces and enforced validation. On the low end of the spectrum, an author contributing a Microsoft Word file could be required to fill out a simple form or even be required to fill out the "Property Sheet" embedded within Word (File Menu... Properties). In a more complex environment, a knowledge worker could be provided with an XML editing tool as an interface to the required metadata. The GUI of a commercial XML editor such as Arbor-text Epic can be configured to behave like a forms-based interface, while in fact capturing and storing XML data.

This analysis suggests, and we think realistically, that not all content will be XML or will have to be XML. However, *enterprise-enabled* content needs to be componentized and structured and needs to be accessible by a variety of editorial interfaces. These interfaces are best thought of as an application. The reality is that a mix of data types will continue to exist, and the editorial interfaces to such data must deal with this reality. Requirements analysis and design undertaken as you roll out enterprise content solutions is becoming more complex but also more critical. The analysis should be clear-eyed, realistic, and thorough. The resulting interfaces should be sturdy, useful, and self-revealing. The goals should include data quality and integrity, but also productivity. The business of content management is critical to many organizations; putting the right tools in the hands of the content creators may be the best money an organization can spend in the months ahead.

-- Bill Trippe, David R. Guenette

INDUSTRY NEWS

More recent news, old news (to January 1999), and commentary is available at www.gilbane.com/

DOCUMENTUM TO OEM CDC SOLUTIONS' PDFAQUA & PDFSIGN

8/29/2001

CDC Solutions Ltd. and Documentum announced a reseller agreement to enable Documentum to embed CDC Solutions' PDFaqua and PDFsign into the Documentum 4i eBusiness Platform. PDFaqua and PDFsign enhance the Documentum 4i Compliance Edition by increasing document security and control and by adding features to help ensure compliance with FDA 21 CFR part 11. Secure document distribution is now embedded in the Document Control Manager (DCM), which handles control of documents for the Documentum 4i Compliance Edition specifically designed for regulated document environments. The inclusion of PDFaqua is designed to enhance the DCM capability by delivering secure, print-time watermarking and controlled print functionality. PDFsign will be licensed as an integral part of the Compliance Edition's Content Authentication Server (CAS). The embedding of PDFsign into CAS is designed to provide for the manifestation of electronic signatures that are captured as an integral part of the signing process. www.documentum.com, www.cdcsolutions.com

Secure content sharing and delivery is slowly but very steadily becoming a more important requirement. You'll be hearing about many different types of solutions in the coming months.

SDL INTERNATIONAL LAUNCHES SDLX ELITE

8/29/2001

SDL International launched SDLX Elite Computer Aided Translation solution with a freely downloadable edit module, SDLX Lite. SDLX Elite provides translation agencies and corporate localization departments with a centralized Translation Memory solution that includes unlimited remote freelance translator clients. Freelance translators can leverage and contribute to a master Translation Memory database. SDLX Elite will enable agencies and companies to immediately add specialist freelancers, whether or not the translators own compatible Translation Memory tools, at no extra cost to the freelancer or the organization. SDLX Elite Translation Memory increases translation quality and efficiency by breaking down sentences and paragraphs into translatable segments and extracting previously translated terms and phrases from a database for re-use. Compatible with Windows 2000, Office 2000 and XML/SGML, SDLX will support any language including double-byte and bi-directional languages such as Chinese, Japanese, Hebrew and Arabic. SDLX Elite with SDLX Lite is priced at US\$2,000.00 and will be available September 2001. www.sdlintl.com

PLANET 7 TECHNOLOGIES CHANGES NAME TO AGITAL; RELEASES SDS

8/28/2001

Planet 7 Technologies announced that it will change its name to Agital, Inc., effective August 28, 2001. Agital has also chosen the ".net" suffix for the company's URL, in order to maintain a connection to its origin in network data management. Agital uses XML and Java to connect and transform business information through Data Conditioning technology that parses, processes, and intelligently delivers newly conditioned data in real-time to disparate business applications, services, and devices. In a separate announcement, Agital announced the release of the next generation of the company's software platform that solves complex data integration by reduc-

ing the complexity of existing e-business applications. A 30-day evaluation version of the Agital Solution Development System is available today at no charge. Design licenses start at approximately US\$890.00 for a single developer, single CPU license. Development and test licenses start at approximately US\$3,275.00 for a single developer with unlimited distribution/CPU permissions. Deployed Agital Solutions start at US\$10,675 for a five CPU license and require the purchase of an Agital Solution Development System. OEM/Reseller pricing is available, and may be negotiated on an individual basis. www.agital.net

BUSINESS INTERNET CONSORTIUM ANNOUNCES XML DELIVERABLES

8/28/2001

The Business Internet Consortium announced deliverables for its XML-based eBusiness Standards Convergence Workgroup. Materials will be published this fall. The XML Convergence Workgroup is incorporating customer requirements to reflect typical B2B integration needs for major industries including auto manufacturing, semiconductor manufacturing, banking and finance. The Workgroup will publish a white paper containing a high-level conceptual model for B2B integration. In addition to the white paper, the group will publish a requirements document and case studies based on business scenarios from member companies. The XML Convergence Workgroup will share requirements and identified architectural gaps with standards bodies including OAGI, OASIS and the W3C. Current members of the XML Workgroup include Ford Motor Company, Hewlett-Packard, IBM, Intel, Pennzoil-Quaker State Company, Rosetta-Net and SAP. www.BusinessInternetConsortium.org

Another consortium! Well, there is a lot to do as we continue the now slower, but still inevitable, move toward integrated e-business. We just hope these groups cooperate.

CMSWATCH OFFERS FREE 'CONTENT MANAGEMENT HEALTH CHECK'

8/28/2001

IDEV announced the availability of a free interactive "Content Management Health Check" for companies to measure how effectively they are managing their website content. Participants complete a 3-minute, 15-question survey, and results are tallied immediately. Possible diagnoses include, "good health," "a little creaky," "need to see a specialist," and "can't act too soon!" Users can employ this recommendation as they determine their next steps regarding the management of their online content. The health check is completely anonymous, and no results are transmitted to the CMSWatch server. The health check can be taken at CMSWatch, www.cmswatch.com/healthcheck

Obviously they would like your business, but it can't hurt to try out the survey.

INKTOMI & BROADVISION TO PROVIDE SOLUTION FOR RETRIEVAL OF ENTERPRISE INFORMATION

8/28/2001

Inktomi Corp. and BroadVision, Inc. announced a strategic alliance to improve access to highly customized information across enterprise networks. Under terms of the alliance, the companies have integrated Inktomi Enterprise Search Software and BroadVision One-To-One Enterprise, providing enhanced retrieval of content, including personalized and actionable information, through one search query. BroadVision plans to offer a standard solution for enterprises to integrate Inktomi's search technology with BroadVision's personalization technology. www.broadvision.com, <http://www.inktom.com/>.

SPSS ANNOUNCES SMARTVIEWER WEB SERVER 3.0

8/28/2001

SPSS Inc. announced the release of SmartViewer Web Server 3.0. SmartViewer Web Server 3.0 now offers more personalization and interactivity with online documents. This latest version is a portal to predictive analytical content and adds value to existing systems delivering historical reports. Used in tandem with SPSS Base, the software makes it easy for customers to publish results of analysis done with SPSS products, then distribute those results to individuals both inside and outside an organization. SmartViewer Web Server's new features include: increased personalization, robust content management, and expanded system availability. SmartViewer Web Server 3.0 is currently shipping worldwide with a domestic list price of \$19,900. International, GSA and academic pricing varies. SmartViewer Web Server is available from all divisions of SPSS Inc. www.spss.com

INTERWOVEN TO OEM LIQUENT XTENT

8/28/2001

ESPS, Inc. (dba Liquent) announced that Interwoven, Inc. has entered into an OEM licensing agreement with Liquent for its Xtent rendering technology. Interwoven plans to use Xtent as an integral component of its future products and services. Liquent's Xtent is an automated content transformation engine that integrates with Interwoven's TeamSite, TeamXML, TeamCatalog and MetaTagger product lines. It provides these products with high-fidelity XML transformations of popular file formats for management, storage and intelligent tagging and reuse of content across multiple eBusiness applications and initiatives. A scalable solution designed to meet enterprise-wide needs, Xtent enables organizations to extract structured and unstructured content from legacy document management repositories and hundreds of source formats for storage and management in Interwoven's XML content management products, like TeamXML. Xtent automatically creates representations, or "renditions," of content in an XML schema that retains the integrity, fidelity, and context of the original source information. Transformation to this schema, which leverages W3C standards, permits the content to be combined, converted and distributed in a variety of popular output formats, including WML, XML, HTML, XHTML, SVG, PDF, OEB, MS Word and printed paper. www.interwoven.com, www.esps.com

BEA & GAUSS ANNOUNCE STRATEGIC RELATIONSHIP

8/27/2001

BEA Systems Inc. and Gauss Interprise announced a strategic relationship to provide optimized e-business solutions. As part of the agreement, Gauss will embed BEA WebLogic in its VIP Enterprise products, and offer its U.S. base of more than 1,000 primarily IBM iSeries (AS/400) customers an upgrade to VIP Enterprise built upon the BEA WebLogic E-Business Platform. VIP Enterprise runs natively on the iSeries (AS/400) server platform in addition to IBM-AIX, Sun Solaris, HP/UX, Windows 2000/NT, Compaq Tru64 and Linux platforms. As a member of the BEA Star Partner Program, Gauss will participate with BEA in joint marketing, sales training, education and technical development. VIP Enterprise embedded with BEA WebLogic will be available by September 2001, and the upgrade program for Gauss customers to the BEA WebLogic E-Business Platform is expected to be completed by March 2002. www.bea.com, www.gaussinterprise.com

ONEPAGE INTRODUCES ONEPAGE CONTENT CONNECT STUDIO

8/27/2001

OnePage, Inc. introduced OnePage Content Connect Studio, a new software solution for creating, managing and integrating portlets into corporate portal platforms. Using OnePage Content Connect Studio, organizations are able to rapidly create portlets from HTML Pages, databases, datafeeds, applications and flat files. Once created, the portlets can easily be published into any existing enterprise portal or wireless solution, or to web services UDDI. OnePage Content Connect Studio combines technology with an intuitive user-interface that enables companies to eliminate the manual scraping and scripting processes that currently slow down and add to the expense of any portal implementation. It also includes management and monitoring tools, as well as intelligent agents that create alerts and trigger actions, such as error recovery. In separate developments, OnePage also announced a strategic alliance with Sybase and Progressive Financial Strategies. www.onepage.com

INFORMATIVE GRAPHICS' BRAVA! INTEGRATED WITH DOCUMENTUM 4I

8/23/2001

Informative Graphics announced the integration of its Brava! WebKit with the Documentum 4i eBusiness Platform. Brava! WebKit, also known as Brava! 3.0, is designed for integration into existing Web sites, intranets and document management solutions. The integration enables the viewing and redlining of design or documentation changes using a standard browser, without requiring a plug-in, a client side download or installation, or the need to reconfigure your computer to use the latest Java Virtual Machine. Documents and drawings reside on customers' servers and are delivered to user desktops inside or outside the firewall via a small, simple Java applet. Since Brava! honors existing security measures and does not transfer the actual file to the client for display, it's a secure online collaboration tool for design, supply and project information over the Web. Brava!'s functionality includes the ability to pan, zoom and rotate drawings; calibrated measurement; several printing features and a range of configurable options for customization by customers and partners. www.infograph.com

GLOBALSIGHT & DAY PARTNER FOR MULTILINGUAL CONTENT SOLUTIONS

8/22/2001

GlobalSight Corp. and Day announced a wide-ranging strategic partnership to deliver integrated globalization solutions for multinational organizations. Under terms of the agreement, GlobalSight and Day will jointly provide tight integration of the GlobalSight System3 Globalization Management System (GMS) with Day Communique, the company's enterprise content and commerce management solution, to help multinational organizations penetrate global markets faster, slash localization costs, and eliminate global brand dilution. GlobalSight System3 provides Communique users with the infrastructure to manage the complex process of adapting, translating, and maintaining all of an organization's content worldwide, regardless of where that content is stored. Its sophisticated change detection and process management capabilities automatically initiate global processes to alert translators, reviewers, legal staff, managers, and other key individuals to ensure the right changes are made for the right country, language, or locale. Because Day's Communique architecture is intrinsically internationally aware with full Unicode support and complete separation of content and design, the concept of multiple languages and character sets are supported out of the box. www.globalsight.com, www.day.com

NEOCORE SHIPS XMS VERSION 2.0

8/22/2001

NeoCore Inc. announced the general availability of NeoCore XML Management System Version 2.0, a high-performance native XML database. Based on the company's Digital Pattern Processing technology, NeoCore XMS 2.0 combines high-performance information management with the ability to leverage XML's full extensibility. NeoCore XMS provides rapid application development, eliminating database design efforts such as database table creation, index definitions or other physical design work that results in extended and costly development cycles. Version 2.0 incorporates several key features, including transactional support, improved scalability and enhanced access control. In addition, NeoCore XMS provides scalability, operating on extremely large stores of XML with virtually constant response time, regardless of information volume. The enhanced access control feature allows applications to control access down to the data element level. Version 2.0 of NeoCore XMS is currently shipping. Pricing starts at \$35,000 per CPU. www.NeoCore.com

EROOM ANNOUNCES PARTNERSHIPS WITH PORTAL VENDORS

8/22/2001

eRoom Technology, Inc. announced partnerships with portal vendors PeopleSoft, SAP Portals, Microsoft, Plumtree Software, Hummingbird, Citrix, and Corechange. By integrating eRoom digital workplaces with portal framework solutions, enterprise customers can quickly deploy branded portal applications that draw on eRoom capabilities. This results in collaborative solutions that combine the just-in-time information delivery features of portal solutions with the real-time and asynchronous collaborative capabilities of eRoom. As eRoom Technology ePartner Program members, portal vendors have access to all the tools they need to integrate their portal framework solutions with the eRoom digital workplace environment. This includes an XML-based toolkit that simplifies developer access to eRoom APIs. www.eroom.com

INFOSHARK ANNOUNCES AVAILABILITY OF XMLSHARK 3.2

8/21/2001

infoShark, inc. announced the general availability of XMLShark 3.2 for sharing information captured within corporate databases, with anyone in the world through established XML definitions. Developed in Java, XMLShark provides capabilities that automate much of the effort for accessing, exchanging, sharing and distributing data between proprietary database environments such as Oracle, IBM DB2, and Microsoft SQL Server. Enhancements include extended DB2 support to include DB2 for AS/400 and the ability to access any data source that has a JDBC driver. Highlights of the new features and functions in XMLShark 3.2 include: Open database interface for connecting to any Java Database Connectivity (JDBC) data source within a distributed enterprise; Extended DB2 support; Support for accessing new database object types such as "Database Views," which represent a more intelligent view of your enterprise data; and Web-based server administration so users can configure and administer the XMLShark environment from any remote location using a web browser. XMLShark uses XML and SOAP so data can be securely distributed both inside and outside the firewall. XMLShark does not require the same database, or same database version, or same proprietary network protocol to exchange and distribute data. www.infoshark.com

FILENET & IMPACT INNOVATIONS PARTNER

8/21/2001

FileNET Corp. announced a partnership with Impact Innovations Group LLC to jointly develop Acenza for Government eBusiness applications. The first product in the Acenza for Government family of applications will be Acenza Case Management for Human Services, initially focused on family and children services agencies, including economic assistance and child welfare. Acenza Case Management for Human Services will leverage FileNET's Panagon enterprise content management (ECM) suite to improve the productivity and service levels of government caseworkers. Information currently maintained in paper folders will be securely stored in a central repository, allowing authorized caseworkers to add, review and share information via the Web within and among agencies. www.FileNET.com, www.impactinnovations.com

VOQUETTE & COMTEX PARTNER

8/21/2001

Voquette, Inc. and COMTEX News Network, Inc. announced a technology sales and marketing agreement that will enable COMTEX distributors to expand their current personalization of COMTEX products. The Voquette Content Enhancement Engine automatically incorporates additional horizontal market metadata such as competitors, industry, sector, private companies and executives into the feed. As a result, COMTEX distributors who license Voquette enhanced feeds can offer their customers a greater degree of personalization and contextual. www.voquette.com, www.comtexnews.net.

INTRANET SOLUTIONS RELEASES OUTSIDE IN VERSION 7.1

8/21/2001

IntraNet Solutions, Inc. announced the release of Outside In Version 7.1, an enhanced version of its Outside In developer technology for viewing, conversion and access of business content in more than 225 file formats on a wide range of platforms, including mobile and wireless devices. Outside In 7.1 includes support for a wide range of new and updated file formats, including Microsoft Office XP; Corel WordPerfect Office 2002; Lotus SmartSuite Millennium Edition 9.6; Sun StarOffice Write 5.2; Microsoft Visio 2002; Adobe Acrobat 5.0; Adobe FrameMaker MIF 6.0; and WAP WML specification 2.1. This expanded support enables viewing, conversion and access of these file formats without needing to install the native applications on servers, desktops or wireless devices. Outside In 7.1 has also added support for Solaris 8 and Red Hat Linux 7.0 platforms. Outside In 7.1 includes expanded conversion and viewing options for improved navigation in converted documents and greater fidelity in viewed documents. www.intranetsolutions.com/products/developer_conversion.html

ENGAGE TO FOCUS ON CONTENT MANAGEMENT FOR MULTICHANNEL MARKETING

8/20/2001

Engage, Inc. announced that it would further reduce its workforce and would shift its emphasis to the growing market for content management software for multichannel marketing. As part of the shift, Engage also said it had entered into discussions with potential buyers for its media business. As part of the change, Engage also announced that it would discontinue its Engage Knowledge profiling service. Engage said it does not intend to sell the service's database of anonymous profiles. Engage offers a broad range of software solutions to help marketers, publishers, and advertising agencies manage marketing content across traditional and new media

channels. By using these solutions, Engage's customers are able to deliver consistent messages across channels while streamlining production processes and increasing efficiencies. Among its software products are Content Server, Approval Server, PromoManager and AdManager. The company will provide additional details and financial guidance concerning the realigned company as part of its fourth quarter financial announcement in mid-September. www.engage.com

A big change for them! They are now a pure software company and are marketing products originally acquired, and further developed, from Mediabridge/Cascade.

DOCUMENTUM INTRODUCES eCONTENT SERVICES FOR PORTALS

8/20/2001

Documentum introduced Documentum eContent Services for Portals, the portal-specific deliverable of their recently-announced Documentum Web services initiative. Documentum eContent Services for Portals reduce the need to create new programming interfaces and integration code for enterprise portal implementation. Building on the Documentum 4i eBusiness Platform, these services employ Documentum eContent Portlets to create a way to expose content management functionality through an enterprise portal. Documentum has pre-packaged the most significant and common content management functions, such as content contribution, browsing, and workflow management. These services, called eContent Portlets, will be delivered as Java Server pages, Java classes, and XML files to be exposed through the portal interface.

Documentum will offer a Portal Integration Kit to guide portal builders who will integrate Documentum eContent Portlets with portal deployments. Portal providers will leverage Documentum eContent Services for Portals. Among the first adopters are: ATG, BEA Systems, Bowstreet, Citrix, Corechange, DataChannel, Epicentric, Plumtree Software, SAP Portals, Inc., iPlanet, E-Commerce Solutions, a Sun Netscape Alliance and TIBCO.

www.documentum.com/products/editions/portal/portlets.html

It seems like every major content management vendor now has an agreement with every major portal vendor, or vice versa!

OPEN EBOOK STANDARD UPDATED

8/20/2001

The Open eBook Forum has released an updated version of the Open eBook Publication Structure Specification. Entitled 'Publication Structure Specification 1.0.1,' the new standard for authoring reusable content for eBook devices and readers supercedes the 1.0 version of the OEB Specification. The OEB Publication Structure (OEBPS) is an XML-based specification for the content, structure, and presentation of electronic books. Developed and maintained by the Open eBook Forum, a group of over 85 organizations involved in electronic publishing, the standards body and trade association includes Gold Sponsorship from Microsoft Corporation, Adobe Systems and Intertrust Technologies. Version 1.0.1 of OEBPS, which is based on over a year of industry experience with 1.0, does not add additional features to the specification but only removes ambiguities and corrects errors. Version 2.0 of OEBPS, which will introduce new features and substantial enhancements -- particularly in the areas of presentation, linking and navigation, internationalization, and metadata -- is currently under development. The Publication Structure Working Group encourages all participants and interested parties to download copies of the OEBPS 1.0.1 specification from the Open eBook Forum web site. Multiple formats are available. www.openebook.org

CHRYSTAL SHIPS NEW VERSION OF XML CONTENT MANAGEMENT SYSTEM

7/24/01

Chrystal Software announced the availability of Astoria version 3.6, along with improved customer support resources. The new version of the Astoria platform provides significant customer benefits in productivity and functionality in this free upgrade for customers with current maintenance agreements. The new customer support resources enable Chrystal customers to get the right information through the medium of their choice: self-service over the Internet, by email, or by phone. Astoria's new version 3.6 adds a host of new enhancements, including new platform support of Microsoft Windows 2000 and Sun Microsystems' Solaris 8, improvements in managing and scaling custom attributes, support of XML-styled linked graphics including the reuse and sharing of graphics for multiple documents. The installation and setup of the client bridges to authoring tools, including SoftQuad's XMetaL, Arbortext's Epic Editor, and Adobe's FrameMaker+SGML, have been made easier. www.chrystal.com

HUMMINGBIRD ACQUIRES PROJECT & DOCUMENT COLLABORATION COMPANY

7/23/01

Hummingbird Ltd. announced the acquisition of PeopleDoc Ltd., a UK-based, privately held company specializing in software used to create secure, Web-based collaborative environments in which projects can be managed across the extended enterprise. The acquisition will allow Hummingbird to incorporate new collaboration functionality into its existing enterprise portal and document management products. PeopleDoc's technology organizes teams and content in the context of their relevant projects, providing secure access to project documents, discussion threads, task lists and schedules. Users require only a Web browser to access the centralized work area, while a sophisticated security model enables extensive customization of access rights at the project, folder and document level. www.hummingbird.com

A2I TO USE INXIGHT'S LINGUISTX TO ENHANCE PRODUCT CATALOGS

7/23/01

Inxight Software, Inc. announced that A2i, Inc. has chosen Inxight's LinguistX Platform to enhance keyword search capabilities within its content management and catalog publishing system for large catalogs of structured product content. A2i selected LinguistX because of its multilingual support and the ability to seamlessly integrate within the A2i system. A2i offers an integrated, database-driven, cross-media catalog publishing system that centralizes and structures the management of catalog product content, simplifies the catalog production process, and completely automates project workflow. The system supports both printed and electronic output from a single data source for Web-based electronic commerce, CD-ROM-based electronic catalogs, and custom paper catalogs. www.a2i.com, www.inxight.com

E-catalog systems have a lot to gain from using more sophisticated content technologies. When e-commerce starts to ramp up again we'll see a lot more agreements like this one.

ZAMBA FORMS ALLIANCE WITH INTERWOVEN

7/23/01

ZAMBA Solutions announced an alliance with Interwoven, Inc. The alliance will provide joint clients with an integrated solution for flexible, scalable content and commerce. ZAMBA will integrate Interwoven's Content Infrastructure product suite with other CRM systems and applica-

tions as part of ZAMBA's content and commerce solution, transact-to-gain. The two companies formalized their relationship after jointly delivering several solutions that leveraged Interwoven's Content Infrastructure products over the past two years. The alliance between ZAMBA and Interwoven will enable enterprises to move from custom-developed, point solutions to next generation Content Infrastructure. This new solution will enhance brand awareness and provide consistent customer experiences across multiple touchpoints by allowing enterprises to efficiently and cost effectively deliver personalized and relevant content.

www.ZAMBAsolutions.com

DIGITAL CREATIONS RENAMED 'ZOPE CORPORATION'; ZOPE 2.4 RELEASED

7/23/01

Zope Corporation announced its name change in recognition of the broad acceptance of its Zope platform and services. Zope Corporation also announced the availability of Zope 2.4, which provides richer features to enable organizations to deploy and manage complex content management applications. The Zope family of solutions makes it easy to rapidly build high-performance, scalable, secure, content management systems so that even non-technical users can maintain them. This ease-of-use combined with its open source roots make the Zope family of content creation, distribution and publication solutions flexible and customizable. Zope offers for-fee products and services for complex, large-scale applications. In addition, there are over 20,000 developers contributing to Zope who can assist on smaller scale projects. Zope 2.4 new features include: support for Python 2.1, WebDAV, and automatic component update. Zope also provides a full range of solutions for corporations requiring implementation assistance and/or specialized applications. Zope 2.4 is open source and available at www.zope.com

NETEGRITY UNVEILS WEB SERVICES PRODUCT STRATEGY

7/23/01

Netegrity, Inc. announced its product strategy to provide a comprehensive platform for securing and managing Web services. Netegrity's new product for securing Web services is code named TransactionMinder, and provides a centralized, policy based platform for securing Web service discovery and consumption, Web service publication, and delegated administration of Web services deployment. TransactionMinder will integrate XML security standards, such as SAML and XKMS, with Web service architectures, such as the Sun Open Net Environment (Sun ONE) and Microsoft.NET, to provide a secure environment in which to deploy these services. TransactionMinder is designed to work with SAML, UDDI, WSDL and messaging frameworks such as SOAP, ebXML and RosettaNet. Netegrity is introducing a new early access program for TransactionMinder. www.netegrity.com

These folks are right at the center of the increased interest in security we mentioned earlier.

OPEN MARKET INTEGRATES NEW XML EXCHANGE SERVER

7/23/01

Open Market, Inc. has integrated the new version of its XML Exchange Server with its Content Server Enterprise Edition 3.6 (CSEE). XML Exchange Server is making it easier for companies to extend content to customers and partners online by using the functionality of XML. XML Exchange Server is designed to enable customers to quickly integrate CSEE with systems inside and outside its walls through the secure exchange of XML documents. The integration of CSEE and XML Exchange Server was also designed to enable businesses to receive and automatically process incoming content feeds from a variety of sources in XML formats. XML Exchange Server provides tighter integration to distributors, syndication partners and online marketplaces. CSEE,

built directly on J2EE application servers, is designed to enable businesses to cost effectively build and operate content-driven e-business initiatives that better manage interactions with website visitors, employees, customers and channels. www.openmarket.com

INTRANET SOLUTIONS ACQUIRES CONTENT MANAGEMENT ASSETS FROM RESOFT

7/23/01

IntraNet Solutions, Inc. announced that it acquired select assets of RESoft, a wholly-owned subsidiary of Stonehaven Realty Trust and a provider of end-to-end content management solutions for the real estate and legal industries, for 200,000 shares of IntraNet Solutions common stock valued at approximately \$5.5 million. IntraNet Solutions will integrate RESoft's SmartCabinet content management product, which is built on IntraNet Solutions' Xpedio Content Management system and designed for vertical markets such as real estate and legal, into its own product line. This will enable the company to utilize SmartCabinet's specialized functionalities for other vertical markets, such as financial services and insurance. Through the acquisition, IntraNet Solutions will obtain 12 RESoft employees, including Mary Henschel, former president of RESoft, and developers and consultants with expertise in developing content management software products for the real estate and legal industries. IntraNet Solutions expects to release the first integrated product with RESoft technology in the third quarter ending December 31, 2001 of its fiscal year 2002. www.intranetsolutions.com

OASIS ELECTS NEW MEMBERS TO BOARD OF DIRECTORS

7/23/01

OASIS announced the election of five new members to the organization's board of directors. Jim Hughes of Hewlett-Packard, Christopher Kurt of Microsoft Corporation, Simon Nicholson of Sun Microsystems and Michael Weiner of IBM will each serve two-year terms as OASIS directors, providing business leadership to advance the Consortium's technical work. In addition, Colin Evans of Intel was appointed to serve out the term of a former Board member, who vacated her seat earlier this year. The five new directors join current OASIS Board members, Patrick J. Gannon, Una Kearns of Documentum and Norbert H. Mikula of DataChannel. www.oasis-open.org

CAP GEMINI ERNST & YOUNG AND EMPOLIS FORMING PARTNERSHIP

7/20/01

Cap Gemini Ernst & Young and empolis content management GmbH are forming an integration partnership to provide world wide implementation services for the sigmalink content management system and all other XML products from empolis. This cooperation focuses on grouping the professional project management, integration, implementation and support services from Cap Gemini Ernst & Young with the XML based technologies from empolis to serve international corporations with multi-national representation. Both digital rights management and digital content management are key service offerings of Cap Gemini Ernst & Young. www.cgey.com; www.empolis.com

ORACLE ADDS COLLABORATIVE CONTENT MANAGEMENT FEATURES TO ORACLE9i

7/19/01

Oracle Corp. announced feature enhancements in Oracle9i designed to provide collaborative content management capabilities within Oracle9i Database and Oracle9i Application Server. Using content management features in Oracle9i, customers and partners can tap into content once difficult to access. Some of the enhancements in Oracle9i for collaborative content management include support for XML and Web Distributed Authoring and Versioning (WebDAV). Oracle's approach contrasts with those that employ separate servers for content management. Oracle's approach is to centralize the management of content within a single repository where it is accessed by any application and easy to manage. Some of the key new features of Oracle9i's collaborative content management infrastructure include: Oracle Text which allows advanced content-based queries on 150-plus file formats in more than 57 languages; Oracle Ultra Search provides a Web-based user interface for unified, searchable index of content stored in databases, file systems, mail servers, and Web sites; and Oracle InterMedia enables automatic extraction of information about multimedia, such as the speed of a video or size of an image, and searching for content which lies within an image. Oracle9i collaborative content management solution is capable of managing all content, including productivity files (documents, spreadsheets, presentations, PDF files), HTML files, multimedia, e-mail, and XML documents. www.oracle.com

This announcement was mostly unnoticed by all except for content management vendors who are naturally nervous, and should be.

ATG LAUNCHES GEAR NETWORK FOR ENTERPRISE PORTAL SUITE

7/17/01

ATG (Art Technology Group, Inc.) announced the formation of the ATG Dynamo Gear Network. The network of partner-developed solutions is designed to enhance the functionality of the new ATG Enterprise Portal Suite through an extensive set of portal building blocks, called gears, which will provide customers with a robust and expanding feature set to build portals for customers, partners, and employees. ATG partners will provide integrated gears to deliver functionality in several application categories. In addition to ATG's framework platform and foundation gears for enterprise application integration, the Gear Network enables third-party developers to deliver component software features. The Network allows partners with technology that works within an open Java environment to plug their own solution into ATG's portal offering. The ATG Gear Network consists of more than 20 vendors across technology and solution domains, including: Business Intelligence – NetGenesis; Content Management – Documentum, Escenic, Interwoven, and Mediasurface; Content Aggregation - Information Architects; Content Syndication - Screaming Media, YellowBrix, Newsedge, and iMediation; Web Services – Patkai; Collaboration - Message Machines; Search - AltaVista and Verity; Enterprise Systems - TIBCO, YOUcentric; Security – Netegrity; Systems Integrators - Appian, Fort Point Partners, ISL Consulting, McFadyen Consulting, and Novo; and Wireless/Mobile – Volantis. Most of the partner gears are currently under development and will be available later in Q3 2001. ATG is actively recruiting partners for the Gear Network through the ATG Gear Alliance Program. www.atg.com

So let's see... you can buy a portal solution from a portal vendor, you can buy a portal from a content management vendor, you can buy a portal from an ERP vendor, and you can buy a portal from an e-commerce platform vendor...

ACCUMEDIA UPDATES HOSTED WEB PUBLISHING & CONTENT MANAGEMENT SOLUTION

7/17/01

Accumedia introduced the latest version of its Accumedia Convergence Platform (ACP), a managed solution for Web publishing and e-business. New features of the ACP were developed to address the growing complexities and costs associated with building and maintaining a dynamic Web presence. Version 1.6, delivers a fully managed enterprise Web publishing system that enables companies to manage both their Web content and associated online business operations. Version 1.6 also features Accumedia's Software-on-Demand system, a suite of pre-integrated applications that lets customers quickly and easily extend the functionality of their Web sites to include options such as community, commerce, syndication and email marketing. At the heart of the ACP is the Accumedia Enterprise Web Publishing System, which includes: Expanded page and template design capabilities; workbenches for importing Microsoft Word document, and performing Quark-to-Web conversion; New content categorization tools; and Integrated Digital Asset Management capabilities. www.accumedia.com

INTRANET SOLUTIONS SIGNS AGREEMENT WITH SOFTWARE AG

7/16/01

IntraNet Solutions, Inc. announced an alliance with Software AG, Inc. to offer its customers workflow, native repository and content conversion capabilities in the Tamino XML Database via the Xpedio Content Management system. Software AG's Tamino XML Database stores and manages business-to-business transactions being performed in XML. Many XML transactions stored by the Tamino XML Database involve documents, such as purchase orders and invoices, which are developed in a variety of different formats including PDF, word processing and spreadsheet files. Software AG's alliance with IntraNet Solutions provides Tamino users with a system for managing this content. Tamino users are able to submit documents from XML transactions into Xpedio where they can be used in their native formats or automatically converted to HTML or XML renditions of the original file. Xpedio allows Tamino users to route the documents through a workflow process for approvals and monitor them for revisions. www.intranetsolutions.com, www.softwareagusa.com

EPRISE ANNOUNCES COMMERCE LINK

7/16/01

Eprise Corporation announced the availability of Eprise Commerce Link, the Microsoft certified integration between Eprise Participant Server and Microsoft Commerce Server 2000 (CS2K). This latest offering from Eprise provides organizations tight integration and a full-featured content management solution for Microsoft Commerce Server 2000. The combined offering offers business managers a complete solution for managing content on their e-commerce sites built with CS2K. Eprise Commerce Link allows business users to leverage the content management functionality of Eprise Participant Server through the familiar CS2K user interface. With Eprise Commerce Link, business users can access the most commonly used features within Participant Server, such as content contribution, workflow, versioning, templating and administration, directly from the CS2K user interface known as the Business Desk. This integrated solution adds menu items to the Business Desk to allow for a seamless user experience. The same user interface that is used to manage a CS2K e-commerce site can now be used to manage additional content that is linked to the product and services that exist in a CS2K Catalog. In addition to the new CS2K integration, Eprise Participant Server can also be deployed with BEA's WebLogic, IBM's Websphere, Sun Microsystems' iPlanet, ATG's Dynamo and Allaire's jRun application serv-

ers. Eprise Commerce Link is available this month from Eprise and will be priced at \$10,000 USD. www.eprise.com

ATOMZ INTRODUCES CONTENT MINING & METADATA FEATURES

7/16/01

Atomz Enterprise Search offers new capabilities that deliver control over search results including a fully integrated content mining engine and metadata management center to deliver highly efficient and precise search results. Atomz Content Mining Engine feature delivers targeted, granular search results to users seeking specific information in very large collections of data. For example, an online book retailer using Enterprise Search can deliver fine-tuned results for cross-referenced searches by "author," "publisher," or "ISBN number." Atomz Content Mining Engine also provides customers a comprehensive way to classify, categorize, and relate their data into specific taxonomies to allow site visitors the most flexible and granular level of querying available. With Atomz' exclusive Target Meta Tag, customers can 'tag' (using the Meta data Management interface) pages with specific target keywords whereby the associated page would always be the top search result. Within the Atomz Member Center, customers can also utilize Atomz Enterprise Search's extensive relevancy controls. www.atomz.com

ARBORTEXT & EMPOLIS INTEGRATE XML SOLUTIONS

7/13/2001

Arbortext, Inc. and empolis content management GmbH (formerly known as STEP GmbH), a subsidiary of Bertelsmann MOHN Media Group, announced that sigmalink has been integrated with the Epic E-Content Engine (E3) to add multi-channel publishing to the sigmalink content management system. The integration of sigmalink and E3 forms a single source publishing system for creation, management and publishing of information to multiple audiences via multiple media. Content may be captured from many internal and external sources, including suppliers and various departments within the organization. With the Interchange functionality of E3, non-XML content (i.e. from Word, FrameMaker, Interleaf or Web forms) can be converted to XML and managed by sigmalink. Out of the single source, sigmalink delivers information for publishing to the E3 formatting engine, which formats according to media-specific requirements. sigmalink and E3 provide multiple source input, flexible content management, and multiple target output functionality for an enterprise information management environment. www.empolis.com, www.arbortext.com

ORACLE OPENS PORTAL CATALOG TO DEVELOPERS & CONTENT PROVIDERS

7/13/01

Oracle Corp. announced the availability of the Oracle Portal Catalog, containing more than 200 portlets that users can browse and add to their personalized portal pages. The catalog lists portlets developed by members of the Oracle Portal Partner Initiative (OPPI), as well as any portlets registered by independent content providers, application service providers, or system integrators that have been approved by Oracle. The catalog also lists the range of portal-related services offered by system integrators who are members of OPPI. This means any independent developer or content provider can reach mass markets when they develop new portlets that can be integrated into the Oracle9i Application Server (Oracle9iAS) portal framework and published for worldwide consumption. Any application, business intelligence report, Web page, XML-based news feed or other information source can be made into a portlet, published through the portal catalog, and easily integrated into the portal framework of the Oracle9i Application Server. After a portlet or service is created, developers can go to the Oracle Portal Catalog on the portal community site to register their organization and portlets. If the submis-

sion is approved by Oracle, each service or portlet is classified into one of the following categories in the catalog: Consulting & System Integration (Global, Country, Regional), Application Services (Business Intelligence, Collaboration, Document/Content/Knowledge Management, E-Business Applications, Search), Internet Services, and Hardware. To help users browse the catalog, a brief description of the services and portlets are listed in catalog. Screen shots of portlets are also included in the catalog. www.oracle.com

OPEN MARKET & VALITY TO CO-MARKET CATALOG OFFERINGS

7/13/01

Open Market, Inc. and Vality Technology have signed a co-marketing agreement to offer Vality Catalist and Vality Beacon, as complementary offerings to Open Market's Catalog Centre. Catalog Centre creates dynamic, easily navigable online product catalogs populated with rich content. Compatible with Catalog Centre, Vality Catalist and Vality Beacon enhance the product with content quality and search capabilities. Catalist prepares catalog data accessed from multiple sources and ensures consistency in terminology, units of measure and categorization. It also provides an intuitive "workbench" for effective ongoing catalog data management. Beacon, a high-speed search engine, delivers dependable, accurate catalog search results tolerating terminology differences and typing, spelling and technical errors to find the most accurate answers for users searching catalogs. Vality Catalist and Vality Beacon are available for immediate use with Open Market's content management and delivery products. www.vality.com, www.openmarket.com

SEMIO INTEGRATES TAGGER WITH SHAREPOINT

7/13/01

Semio Corporation announced that it will integrate Semio Tagger, its core categorization and indexing engine, with Microsoft SharePoint Portal Server. Information categorized and indexed by Semio can be viewed through Microsoft's digital dashboard or through the Semio Taxonomy Viewer -- which automatically names and groups concepts that share similar qualities into hierarchical categories for more navigable, browseable presentation. SharePoint Portal Server allows companies to easily find, share and publish information. Each stand-alone server offers enterprise-level search functionality (developed by Microsoft Research), integrated document management tools and flexible, easily customizable enterprise portal capabilities. SharePoint Portal Server provides a focal point for finding relevant information stored across multiple data sources, including SharePoint Team Services websites, Exchange data stores, file shares, Notes databases and Internet sites. Tagger supports a wide range of content sources, including most commercial file formats, PDF, HTML/XML sources, Lotus Notes databases, Documentum document vaults, and unstructured text in relational databases. It supports English, French, Spanish and Italian language sources, with more languages available shortly. Pre-packaged industry templates for fast-start categorization are available for the chemical, medical, legal, military, and computing industries. Semio Tagger availability for the SharePoint Portal Server platform is targeted for Q4, 2001. www.semio.com

VALITY INTRODUCES "CATALIST" AUTOMATED CATALOG CONTENT SOLUTION

7/10/01

Vality Technology Inc. introduced Vality Catalist for product catalog content management. Vality Catalist provides fully automated processes for constructing large online product catalogs in a fraction of the time typically required. Vality Catalist complements Vality Beacon search functionality to make it easy for online shoppers to find the exact products they are searching for on

the first try. Cap Gemini Ernst and Young contributed to the development of Vality Catalyst by helping to define requirements and enhance the solutions that it can provide to its joint customers with Vality. Vality Catalyst provides a single solution that normalizes, categorizes, and consolidates diverse product data to create a consistent catalog. It performs this process in bulk mode to automatically load the initial catalog - and in change mode to facilitate review. These processes result in product information with an improved organization and appearance that is easier for customers to understand and successfully search. Vality Catalyst's sophisticated, automated processes excel in producing consistent catalogs from a large number of diverse data sources quickly. www.vality.com

LOTUS ANNOUNCES AVAILABILITY OF INOTES WEB ACCESS

7/10/01

IBM's Lotus Development Corp. announced the immediate availability of Lotus iNotes Web Access, a Web client that delivers robust Domino messaging, collaboration, personal and company information via a Web browser. In addition to providing a complementary access option for current Notes users, Lotus iNotes Web Access targets a new population of Notes users that might not need a full-scale client, such as bank tellers, airline pilots and retail workers. Lotus iNotes Web Access provides an easy-to-use, low-maintenance client that allows access to Domino messaging and collaborative services anywhere users can access the Internet, such as airport business centers, Web cafes or Internet kiosks. Lotus iNotes Web Access also provides the same off-line support that allows Notes users to seamlessly work with applications and email off-line and send changes back to a central server at their convenience. In addition, Lotus iNotes Web Access integrates with Lotus Sametime and QuickPlace, providing browser users with greater Web collaboration through on-line awareness, instant messaging, white boarding and shared team workspaces. Lotus iNotes Web Access is now available. Current Lotus Notes or iNotes customers receive Lotus iNotes Web Access as part of Passport Advantage software subscription. New customers can purchase Lotus iNotes Web Access for a suggested volume price of US\$48 (per user) from traditional software resellers. Domino server R5.0.8 for Windows NT/Windows 2000, Sun Solaris, IBM AIX, IBM AS/400, or IBM S/390 is required. Lotus iNotes Web Access runs with Microsoft Internet Explorer 5.0 and above. www.lotus.com

FILENET INTRODUCES PANAGON ECM EDITION

7/10/01

FileNET Corp. announced its Panagon Enterprise Content Management (ECM) initiative. FileNET will deliver expanded capabilities for managing all forms of content and business processes inside and outside of the enterprise. Panagon is a tightly integrated enterprise process and content management infrastructure and extensible application development platform that automates and optimizes an organization's business processes. Expanded capabilities planned for FileNET's Panagon ECM edition include: Mobile device support; Content interchange utilizing additional XML capabilities for extracting and exporting metadata (content properties), and handling large, complex document interchange; Template-driven content authoring; HTML authoring provided through WebDAV; Web content lifecycle management; Process management and reporting tools; Web site staging and publishing; Search feature enhancements; LDAP user and group synchronization will be extended to provide direct user authentication and will include additional LDAP-compliant directory servers; JAVA toolkits; Microsoft SharePoint Portal Server (SPPS) integration; And expanded Sun Solaris support. www.FileNET.com

INTERWOVEN TO AUGMENT CORPORATE YAHOO! PORTAL SOLUTION

7/10/01

Interwoven, Inc. and Yahoo! Inc., announced an agreement by which Interwoven becomes a Content Infrastructure partner to augment the Corporate Yahoo! enterprise information portal solution. Corporate Yahoo! enables companies to integrate proprietary corporate content and applications behind existing firewalls with Yahoo!'s personalized Internet content and services. Interwoven's Content Infrastructure is used to capture, manage, leverage and distribute content in a collaborative fashion, both within and beyond the four walls of the enterprise. Together, the joint solution provides ease-of-use for portal configuration and content contribution. The integration will be based on Interwoven's recently announced PortalReady SDK (software development kit) that includes a function-rich, customer-extensible framework designed to grow with evolving portal requirements. www.interwoven.com/portal

SOFTWARE AG SIGNS INDEPENDENT SOFTWARE VENDOR AGREEMENT WITH PERCUSSION

7/9/01

Software AG, Inc. has entered into an independent software vendor agreement with Percussion Software under which the companies will integrate Software AG's Tamino native XML database with Percussion's Rhythmyx Content Manager. Designed for companies building mission-critical e-businesses, the product combination provides an ideal tool for quickly establishing a solid Web presence based on XML, assembling content from various sources and storing XML data natively for rapid retrieval. Rhythmyx Content Manager is a native XML content management system that helps companies automate the content they publish to their Web sites. Software AG's Tamino is a native XML database that stores, retrieves and directly manages nearly any information or Internet object, from XML documents, audio and video to still pictures and HTML pages. Pulling data from a native XML repository like Tamino, developers can access content immediately without additional translation, saving time and reducing the risk of diminished performance, data alteration or extra manual administration. To support the partnership, Software AG and Percussion Software will co-market each other's products and will also provide software implementation and technical support. www.percussion.com, www.softwareagusa.com

eGRAIL INTRODUCES ENTERPRISE CONTENT SERVER 4.0

7/9/01

eGrail, Inc. announced eGrail Enterprise Content Server 4.0. eGrail is offering a 90-day customer satisfaction guarantee, designed to ensure a solid, long-term relationship between eGrail and its customers. eGrail Enterprise Content Server 4.0 enables multiple business users to easily update and change a global corporate Web site in minutes. eGrail Enterprise Content Server 4.0 includes a major enhancement -- Web- based, customizable workflow -- that simplifies the processes for creating, assigning, monitoring and completing content-creation tasks. The workflow module minimizes the risk of site error and ensures appropriate review before updates or modifications are published, both critical when maintaining the integrity of a Web site. Additional features include a J2EE Software Developers Kit that enables complete interoperability with application servers and external applications for eCommerce, portals, calendaring, personalization and advanced search functionality; an object wizard for creating and defining objects; and an import/export utility that enables the transport of site elements using an XML file format. www.egrail.com

SAP PORTALS ANNOUNCES STRATEGIC ALLIANCE WITH BAAN

7/3/01

SAP Portals, Inc. and Baan have announced a strategic alliance that will enable Baan customers to quickly and easily integrate disparate software applications into the iBaan Portal. Under the terms of the alliance, technology from SAP Portals will be embedded within the iBaan Portal solution, and Baan will participate in the advisory board of SAP Portals. This alliance with Baan follows SAP Portals' recently announced strategy to develop an open partnership model that fosters a broad technology and content ecosystem. The new iBaan suite of Internet-enabled collaboration solutions addresses manufacturers' growing demands for tighter integration and full visibility across their entire supply chains. The suite combines Baan technology with new developments that enable customers to take steps toward the integration of systems and processes, provide end users with personalized and easy-to-use information, and empower businesses to collaborate with their customers and suppliers over the Internet. The SAP Portals portfolio includes enterprise portals, business intelligence applications, unique content offerings and professional services. Enterprise portal offerings are composed of SAP Portals' Enterprise Information Portal, SAP Portals' Enterprise Collaboration Portal and SAP Portals' Enterprise Unification Portal. www.baan.com, www.sapportals.com

Well, I guess we have to admit that SAP is serious about being in the general purpose portal market; or at least the non-SAP customer portal market.

EPRISE ANNOUNCES AVAILABILITY OF PARTICIPANT SERVER VERSION 3.5

7/2/01

Eprise Corporation announced the general availability of Eprise Participant Server version 3.5. Eprise Participant Server, the company's content management solution, enables businesses to more effectively build end-user focused Internets, intranets and extranets. The release coincides with the availability of the Intranet Advantage Services Package, which helps customers build complete intranet solutions within 45 days. New product functionality includes Site Generator, a point-and-click browser-based interface designed to speed the development of any Web site. In addition, with easy-to-use templates from Eprise, the Web site design remains standard throughout the site. The new product integrates with Microsoft Word, the content contribution process is easier for non-technical users. Business users and key content contributors can make updates and edit content directly within a Microsoft Word document and immediately post it to the site or submit changes to the approval process. This streamlines the content editing and approval process and increases the accuracy and relevance of all data on an Internet, intranet or extranet site. Eprise Participant Server version 3.5 includes updates for Sun Solaris 2.8 as well as Microsoft Windows NT and Microsoft Windows 2000. Eprise Participant Server version 3.5 is available on Windows NT, Windows 2000 and Sun Solaris 2.8. It is priced at \$70,000 for the first server. Discounts for volume purchases and deployment licenses are available. Pricing for the Intranet Advantage Services Package starts at \$30,000. www.eprise.com



AIMM International, IDEAlliance and Bluebill Advisors have postponed the much anticipated ECM Conference 2001 in light of the recent air travel constraints due to the tragedies in New York, Pennsylvania and Washington, DC.

New dates have been secured for the event at the *same location*.

Mark your calendars now:

APRIL 29th - MAY 2nd 2002
Century Plaza Hotel, Los Angeles

We apologize for any inconvenience and trust you will join us for this premier conference. Updated information will be at www.ecmseries.com

Please call us with any questions at 800-477-2446.

We thank you for your understanding, and hope to see you in LA!

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CALENDAR

XML & e-business Intgeration Forum. November 20-21, Tutorials: November 19, 2001 Palais des Congrès, Paris, France. The 4th annual XML Forum will cover: web services, application integration, corporate portal architectures, content management, ebXML and EDI, Supply Chain integration, e-catalogs, XML & J2EE, B2B platforms, XML & data modeling, and more.

www.technoforum.fr/Pages/forumXML01/index.html

XML Conference & Exhibition 2001, December 9-14, Walt Disney World Dolphin Hotel, Orlando, FL. XML: What Really Works? How much is hype and How much is reality? The recent downturn in technology has left many people asking these questions, and many more besides, such as: How much does XML really solve today's business and technology needs? Is XML enough? What else do I need? Where can I talk to the experts and the implementers who have the experience I lack? Where can I see demonstrations of the products that might be just what I need? Where can I ask the hard questions, and get the right answers? If these questions sound familiar to you, if you want to meet with the experts, exchange opinions with the authors of today's standards, or find out what the latest products are capable of, XML 2001 is the place you want to be. <http://www.xmlconference.net/xmlusa/>

Enterprise Content Management (ECM) 2001, April 29-May 2, 2002, Westin Century Plaza Hotel, Los Angeles, CA. Our Enterprise Content Management Series is an educational forum where IT, business managers, developers, analysts, consultants, integrators, and vendors meet in a vendor neutral environment to discuss, debate, and share experiences in implementing enterprise content management systems and strategies. www.ecmseries.com

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ISSN 1067-8719