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## INFORMATION INTEGRATION, OBJECTS, CONTENT SERVICES & INFRASTRUCTURES

There has been gratifying growth in the number of content, document, digital asset, and other (fill in the blank) management implementations over the past few years. These projects are often only partially successful because achieving the promised payback and benefits requires extensive integration both between multiple content management systems, and with other enterprise applications. Integration projects are unglamorous, complex, and expensive. The content itself is also increasingly diverse and complex, and the metadata associated with it can include complex business rules in addition to simple attributes. There is a lot of progress being made, but we are largely replacing unmanaged information with islands of managed information. This is a very big problem and limits the ROI on otherwise promising solutions.

This month we argue that the problem is in fact too big for the available solutions, that integration technologies and point solutions are important but inadequate, and that an infrastructure strategy has to be a key part of the solution. We look at what this means and suggest some ways to think about your own enterprise content management strategy.

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# INFORMATION INTEGRATION, OBJECTS, CONTENT SERVICES & INFRASTRUCTURES

Content management is big. Of course we have a vested interest since it is central to what we cover, but it is the market research firms who actually measure it, not us. We analyze fundamental trends and technologies in computing and information processing, and reach conclusions about what, we think, is likely (web services-like computing) or inevitable (the use of structured markup for unstructured data). But our view certainly supports the large analyst numbers.

Of course, we can argue that content management is big because of the way we define it. As regular readers know, we don't think of content management so much as a well-defined segment of the enterprise software market, as an activity that includes most processing of unstructured, or semi-structured, data. This includes content that incorporates structured data, either directly or by reference. This is in keeping with the way the term is actually used, rather than a definition we try and impose.

In any case, this explains why we think content management is even bigger than what most analysts think, since it means the scope of content management is equivalent to at least the 85% (or whatever majority percentage you prefer) of business information that is not structured data. Note that "Content management" and "information management" are increasingly being used interchangeably. This may or may not be accurate, but it is fact. We'll go with the flow and leave any hand wringing over how appalling this might be to another time or to other commentators.

In this article we argue that the problem of managing content is *too big* for mere applications, of any size, that the business requirements for integrating content are extensive and not being met by existing approaches, and that an "enterprise content management" strategy really needs to include a combination of applications, integration tools, and infrastructure support.

## INFORMATION MANAGEMENT

A decade ago, we used to lament the fact that information management was still mostly limited to structured data. Managing variable length text, images, graphics, documents, was not on IT's radar screen, and was the domain of small niche suppliers serving special departmental needs. Neither document management nor any of the other (fill in the blank) management solutions attracted much attention until web content management came along and won mind and market share.

Today, any mid-to-large business has multiple repositories and applications for content management, document management, digital asset management *etc.* The more inclusive "enterprise" has now replaced "web" as the preferred adjective, but while it is a very positive development that there is more information being managed, we have created a mammoth problem. All these separate repositories often isolate information that needs to be accessible to multiple business applications. We have created silos of content. In many cases we have moved from unmanaged content to locally managed but inaccessible content, or

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not easily accessible content. There are good reasons for multiple, localized content management repositories. There are different types of users with different needs, different workflows, and different uses of different configurations and transformations of the content. Unfortunately, these needs usually conflict with an equal need to share information with other business applications.

The result of the growth of all of these various information management solutions is that we now have a huge information integration problem. We sometimes claim that the information integration problem is the *biggest* information management problem businesses have.

In spite of the dramatic growth of managed repositories, huge amounts of content also still floats around file systems in multiple types of devices. Much of this is short-shelf-life communications not worth managing, but an unacceptable amount of it has more than passing value that is squandered because applications or humans don't have ready access to it.

How are companies dealing with this integration problem?

## INFORMATION INTEGRATION SOLUTIONS

It would be interesting to know just how much money is spent on integration. Even the smallest integration task is usually takes more time than expected, and the ongoing maintenance of integration is always underestimated. In any case, integration is certainly recognized as a major problem, and there are three types of approaches popular.

### Enterprise Application Integration (EAI)

Enterprise Application Integration has been one of the most visible and fastest growing areas of IT for a few years, and the approach is still the most well known.

EAI sounds like it does a lot, but in reality it is focused more on process integration, structured data, and simply getting applications to talk to each other. The importance of XML to EAI may mislead some to think EAI understands more about content than it does (because of the multiple use of XML for code, data, and content). EAI solves part of the information integration problem.

### Enterprise Content Management (ECM)

This is the view from the content management world. The implication is that an application or application suite that can manage multiple content types can solve the integration problem through centralized control. Certainly this can be a useful approach in some situations, but there are too many specialized and distributed needs in businesses for ECM to be the complete solution. An ECM solution can consolidate the management of certain types of content, but cannot solve enterprise integration requirements. Note also, that an ECM vendor might actually sell multiple, semi-integrated repository solutions.

### Enterprise Information Integration (EII)

We used to like the term "information management" because it didn't discriminate between structured and unstructured data. As we pointed out above "content management" is now used in a similar way, although there is usually an assumption that the unstructured or semi-structured content is the focus even

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when structured data is included. So it is natural for some of the vendors in this space to use “enterprise *content* integration” to describe what they do.

We have also used this term to emphasize the limited capabilities of EAI. We like to say that EII solves the other half of the integration problem. It doesn't do you much good to have applications talking to each other if information they are sharing is ignored or treated as a dumb stream or BLOB.

But the way EII is used today is more specific. There is now a “category” of vendors who market EII solutions. Many of these vendors are specifically targeting the limitations in EAI we allude to above. Some are focused on structured data, some on XML data, and some on rich content. What they all have in common is that they are addressing the need for broader information access (mostly by) other enterprise applications. Many of these vendors have also latched onto analyst buzz terms like Business Activity Monitoring (BAM), the “real time enterprise”, and indeed realizing either of these analyst notions requires easy and up-to-second access to corporate-wide information. In another issue, we will dig into this landscape a little more.

EII is important, but implementing specific solutions can be every bit as complex as EAI or ECM. It is not hard for IT to find scenarios that call for integrating, perhaps in multiple instances, several EII solutions. It is hard to imagine achieving anything like “real time” this way.

### **The need for an infrastructure approach**

This convenient trio of 3-letter acronyms represents partial solutions. All three may be *necessary*, but they are not *sufficient*, approaches to the problem of managing and sharing information. If each of these was implemented in every situation where your business applications needed to share information, your IT budget would explode, and the complexity would ensure incompleteness and the need for stress-reducing pharmaceuticals and résumé polishing.

The only way to address information integration at an enterprise level is to be more strategic. You need an infrastructure that supports the sharing of information across all applications. EAI, ECM, and EII need the support of an information friendly infrastructure so they can be light and flexible enough to actually implement and maintain. Further, you should not need to invest in one of these solutions for every integration need.

## **INFORMATION OBJECTS**

We used to talk a lot about *information objects*. The idea was that discrete pieces of information, along with metadata, were what should be the raw data for computing. Computing with information objects rather than bits or bytes or fixed-length records was the evolutionary step in information processing that would make the next big difference. This was the motivation behind the document computing architecture war between Microsoft and Apple in the early 90s. We tried to encourage both of them, but it turned out that Microsoft was right in their argument that the world wasn't yet ready for such a dramatic leap no matter who was behind it.

This evolutionary leap is the same thing Lauren Wood and others have in mind when they talk about XML being the new ASCII. And in fact, it is because of the

success of XML that the idea of information objects is now of more than academic interest, and deserves to be resurrected among IT strategists as a useful way to think about the problem.

You can probably see where we are going here: infrastructure support for information objects can provide the foundation for the level of information integration required to get the results from enterprise software applications we want.

### Managing information objects

Is the concept of information objects too abstract to be of practical use? No. In fact, it is impractical, if not irresponsible, to ignore it. It is not a case of converting all your enterprise content to information objects and you are done. That is both silly and impossible. What you should do is understand the concept and its evolution and use it as a tool.

Information objects are the chief raw material of an information model and content management systems that (are hopefully) based on an information model.

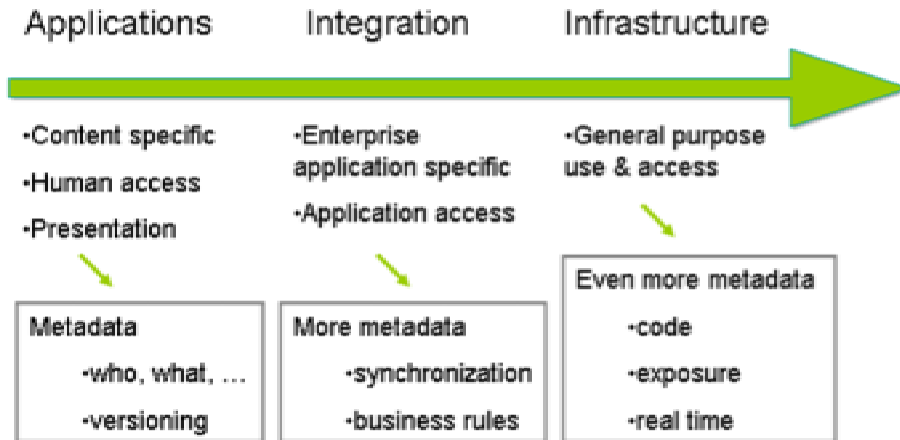


Figure 1. The growing complexity of content & metadata

Figure 1. illustrates the evolution and need for infrastructure support of information objects. The demand for information integration and reuse is driving us to be more disciplined in how we organize and encode our information and in how we attach or relate metadata to it. The complexity of the metadata we use increases as we move from stovepipe applications to multiple integrated enterprise applications, to general use for unanticipated applications. This is a natural evolution. Note that we don't get to the "real time enterprise" until we have extensive infrastructure support for information objects.

### Misunderstanding information objects

There are no general rules about the correct level of granularity for information objects, nor is there a single rule for when information objects should be separated from processing code or combined, or whether this *binding* should happen early or late in the process. In what some might see as an ideal world, you would know all the potential uses of your information in advance and could fragment your content and bind rules and prescriptive code to it once and be done. The real world is messier. Different applications and uses will have different granular-

ity and binding needs, and these will change. *Loosely coupled* is a better way to think about the relationship both between information objects, and between their content and metadata.

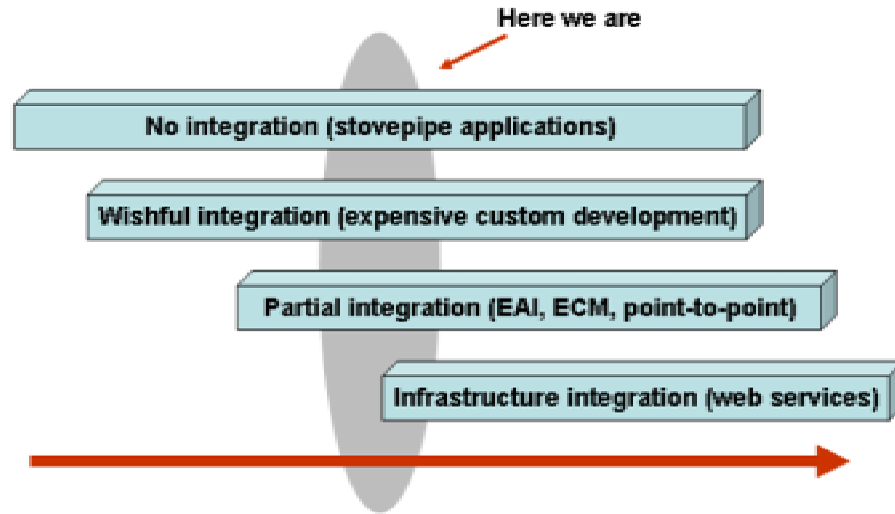


Figure 2. Four stages of information integration

## WEB SERVICES & CONTENT SERVICES

How do we realistically get to the level of infrastructure support we need? The answer has to be something like web services. In spite of the past, current, and future hype associated with web services, it is the only strategy feasible given the scope of the problem. Why? Because it is a *distributed* approach that spreads the complexity out, allows for local decisions, permits rapid change, and is operating environment agnostic. Web services do not make granularity or binding decisions any easier, but they are not philosophically biased – you can design your information objects as your business needs require.

You could theoretically solve the information integration problem with a monolithic approach. With enough resources you might be able to build a solution where all the information in your enterprise was modeled and available to applications in a single repository. But this is just unrealistic. It is too difficult and is the reason we have so many repository silos and the information integration problem to begin with. Similarly, as we said above, you can't expect that multiple deployments of EAI, ECM, and EII will be a manageable or affordable answer.

Think about web services the way they are envisioned by the standards organizations like W3C and OASIS. There are other legitimate ways to envision web services, but the only way web services will do what is expected of them is if the standards are widely accepted and adopted. Not all members of the web services standards family are equal, so treat them on their own merits. SOAP (Simple Object Access Protocol) is so far the most important for you to pay attention to.

### Content Services

Content services are simply web services that focus on content. Consider Figure 1. again. It illustrates a gradual increase in the complexity of content and metadata. Certainly some content-oriented services will be among the most complex over time. However, there are also many content services where the metadata is

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descriptive rather than prescriptive – where the metadata is permissive about how the content is processed. Content that is less encumbered by business rules and specific behavior code is simpler to manage and share. Certain kinds of content distribution applications, especially for intranet applications, can be a good place to get a successful start with web services.

## CONCLUSIONS

Most businesses still do not pay enough attention to how all their content is used or could be reused. Building information models is a lot more complex than (and must include) building data models for relational schemas. But it can't be avoided if you want to achieve the "real time enterprise", or even, more realistically, simply make your business applications more efficient and less costly through better information integration and management.

Your modeling process should include an integration audit that extends beyond departmental and even enterprise requirements. You will not be implementing a total solution, but you need to understand the scope, pick the most efficacious integration problems to address, and be able to measure progress.

You need both near term and longer term plans. Your long-term plans should include an infrastructure architecture that supports information sharing between enterprise applications. But you can't change your infrastructure overnight. In the near term you need to focus on information modeling, and on deploying tactical solutions using web services where you can. It should not cost any more, and could cost much less, to implement new applications or to wrap old applications in web services even for local application needs. One of the important benefits of web services is that they can be implemented serially in small pieces and integrated into existing architectures. Over time, you will have enough of a critical mass of web services in place that more strategic benefits will emerge.

Keep the metadata simple at first. Content services for simple sharing and delivery are a lot easier to get your hands around than web services involving complex business rule configurations with multiple coding requirements.

Information objects are a useful way to think about what you are managing with web content services, or any content management application for that matter.

The partial information integration solutions we mentioned (EAI, ECM, EII) are all likely to be part of your strategy. But you have to look beyond (or underneath) them at how an infrastructure architecture can lessen their complexity and cost.

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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).

## THUNDERSTONE LAUNCHES SEARCH APPLIANCE

1/31/2003

The Thunderstone Search Appliance is intended for organizations seeking the simplest possible software administration, but without giving up the security and performance of a locally hosted solution. It is a complete web-search or intranet-search solution ready to use as soon as plugged into a network. The Appliance is based on Thunderstone's Taxis software. The Thunderstone Appliance allows customers to create as many separate indexes as needed. Thus the administrator may give different groups of users access to content that is appropriate for each group. The Appliance indexes most document formats including HTML, PDF, and word processor files. The Thunderstone Appliance is also the only search solution that indexes JavaScript links and content. The Thunderstone Appliance also indexes Flash links and content. The Thunderstone Search Appliance may be integrated into an organization's web sites by means of a simple HTML form added to any page. The appearance may be customized by adding an organization's "look and feel" template, or by using XSLT. [www.thunderstone.com](http://www.thunderstone.com)

## W3C LAUNCHES XFORMS ACTIVITY & ADVANCES VOICEXML 2.0 TO CANDIDATE RECOMMENDATION

1/31/2003

W3C announced the creation of the XForms Activity. More flexible than previous HTML and XHTML form technologies, XForms separate purpose, presentation, and data. The Activity is producing advanced forms logic, improved internationalization, and rich user interface capabilities. Read the XForms Activity statement and visit the XForms home page. W3C also announced the advancement of the "Voice Extensible Markup Language (VoiceXML) Version 2.0" to Candidate Recommendation. Comments are welcome through 10 April. VoiceXML uses XML to bring synthesized speech, spoken and touch-tone input, digitized audio, recording, telephony, and computer-human conversations to the Web. [www.w3.org/MarkUp/Forms](http://www.w3.org/MarkUp/Forms), [www.w3.org/Voice](http://www.w3.org/Voice)

## W3C RELEASES WORKINGS DRAFTS FOR XHTML 2.0, CSS 2.1, & WSDL 1.2

1/31/2003

The W3C HTML Working Group has released the fourth public Working Draft of "XHTML 2.0." XHTML 2.0 is a relative of the Web's familiar publishing languages HTML 4 and XHTML 1.0 and 1.1. The draft contains XHTML 2.0 modules for creating rich, portable Web-based applications. The CSS Working Group has released an interim Working Draft of "Cascading Style Sheets, Level 2 Revision 1 (CSS 2.1)." The draft brings CSS2 in line with implementations and CSS2 errata, and removes obsolete features. The Web Services Description Working Group has released updated Working Drafts of the "Web Services Description Language (WSDL) Version 1.2" and bindings for use with SOAP 1.2, HTTP, and MIME. WSDL is an XML format for describing network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information. [www.w3.org/MarkUp](http://www.w3.org/MarkUp), [www.w3.org/Style/CSS](http://www.w3.org/Style/CSS), [www.w3.org/2002/ws](http://www.w3.org/2002/ws)



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## **STRATIFY & RAYTION ESTABLISH PARTNERSHIP**

1/29/2003

Stratify, Inc. and Raytion GmbH announced a partnership that will enable Raytion to deliver and support knowledge management solutions based on Stratify products throughout the European market. With in-depth knowledge of Stratify's architecture and applicable business scenarios, Raytion will provide consulting and integration capabilities in conjunction with other content management, portal, and search solutions. Under the terms of the agreement Raytion will market and support Stratify's complete product suite, including the Stratify Taxonomy Builder, Stratify Classification Server and the Stratify Discovery System platform, together with ancillary tools. Raytion has worked extensively with Stratify and the Stratify Discovery System since early 2002 and is Stratify's first European partner. [www.raytion.com](http://www.raytion.com), [www.stratify.com](http://www.stratify.com)

## **ATOMZ ADDS MULTIBYTE CHARACTER SUPPORT TO ATOMZ PUBLISH**

1/29/2003

Atomz announced that it has integrated multibyte character support into Atomz Promote and Atomz Publish, the company's Web-native content management system (CMS). By adding support for Japanese, Chinese, Korean and other Asian languages, Atomz's software enables multinational enterprise customers to maintain consistency and common applications throughout their global Web properties. The company's entire product line, including Atomz Search, now supports more than 20 languages. Atomz Publish and Atomz Promote facilitate easy access to content created in many different languages, yet stored in a central file system or database. Atomz Search, a site search engine, supplies dictionaries and full character set encoding for use across international sites. [www.atomz.com](http://www.atomz.com)

## **EKTRON ADDS FEATURES TO CONTENT MANAGEMENT SOLUTIONS**

1/27/2003

Ektron unveiled features that enhance flexibility and scalability of Ektron CMS200 and Ektron CMS300, including new support for Microsoft Active Directory and new load balancing functionality. Organizations using Ektron's technology can manage users and user groups from Microsoft Active Directory to save time and enhance security via centralized user administration and single-point authentication. With Ektron's load balancing support, site assets (images, files, etc.) are uploaded to an Ektron-specific default directory, and to additional folders or servers according to load balance requirements. Active Directory and load balancing features are available in enterprise editions of the newly released version 3.1 of Ektron CMS200 and CMS300. Ektron CMS200 and CMS300 (enterprise priced at US\$12,999 and \$19,999 respectively) run on Microsoft Windows servers. [www.ektron.com](http://www.ektron.com)

## **WEBWARE INTRODUCES ACTIVEMEDIA 4 DIGITAL ASSET MANAGEMENT SOFTWARE**

1/27/2003

WebWare Corporation announced the debut of WebWare ActiveMedia 4, a major upgrade of its digital asset management software (formerly WebWare MAMBO). ActiveMedia 4, a web services-based digital asset management system, allows companies to easily integrate a rich media repository with other enterprise applications built on BEA's WebLogic or IBM's WebSphere systems. Its new user interface, One-Click Access (OCA) enables the creation of business-specific interfaces that can be tailored to individual users, departments or projects. WebWare ActiveMedia can be used as a stand-alone media asset management system or integrated with existing

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enterprise content management software (ECM) such as Interwoven's TeamSite. ActiveMedia can be installed locally or hosted at WebWare's secure data center. The new release is backward-compatible with WebWare 3.X systems and is currently shipping.

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

## **VIGNETTE ANNOUNCES AVAILABILITY OF VIGNETTE V7 CONTENT MANAGEMENT SUITES**

1/27/2003

Vignette Corp. announced general availability of Vignette Content Management Group Suite and Vignette Content Management Business Suite. Vignette Content Management Group Suite and Vignette Content Management Business Suite are prebuilt, configurable content management applications designed to reduce the time and resources required to build and deploy scalable Web sites and portals. Vignette V7 offers packaged content management best practices for improved collaboration and information sharing inside and outside any organization or department. The Vignette V7 family of products will be available in three application suites: Vignette Content Management Group Suite; Vignette Content Management Business Suite; and Vignette Content Management Enterprise Suite. Vignette Content Management Enterprise Suite is scheduled to be shipped in the second quarter of 2003. Licensing costs begin at \$125,000. [www.vignette.com](http://www.vignette.com)

## **WORKSHARE RELEASES WORKSHARE METAWALL 1.5**

1/27/2003

Workshare announced the release of Workshare Metawall 1.5. Workshare Metawall 1.5 contains features that provide protection of a firm's documents. This release gives users the ability to restrict confidential documents from being emailed externally through Microsoft Office. Users can tag documents as "No Restriction," "External Restriction," or "Full Restriction" depending on the nature and level of confidentiality of their contents. The new version of the product also contains enhancements to the product's metadata cleansing capabilities. Workshare Metawall 1.5 gives users the ability to clean multiple documents simultaneously. Another new feature allows users to receive a summary report of the metadata contained in their documents before actually cleaning them. Users then have the option of choosing which pieces of metadata they would like removed from the document. Future versions of Workshare Metawall will give users the ability to tag Microsoft Office documents so that they are restricted from being sent externally until the proper approvals have been obtained. Upcoming features will also deal with the reintegration of the documents back into the document management system (DMS).

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

## **FIOS ADDS CONCEPT-BASED SEARCHING TO DISCOVERY TOOL**

1/27/2003

Fios, Inc. unveiled upgrades to Prevail. With this upgrade Fios will offer concept-based searching capabilities. The new upgrades will be available for client use by the middle of March. Fios' Prevail is a Web-based tool designed to help legal teams manage, search and produce vast amounts of electronic evidence. The concept-based search technology is being added to Prevail via Fios' licensing partnership with Engenium, Corp., developer of the intelligent concept-based search technology called Semetric. Prevail is hosted by Fios and requires no client site setup or configuration. The only system requirements for Fios' clients are Internet Explorer 5.5 and Windows 98. Pricing is based on a per-megabyte basis, thus costs don't vary based on the number of users accessing Prevail, nor the amount of time they spend online. [www.fiosinc.com](http://www.fiosinc.com)

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## **XAWARE ANNOUNCES PARTNERSHIPS**

1/27/2003

XAware, Inc. announced partnerships with eight application server, data access, XML editor and e-commerce channel vendors. XAware's application server partners are BEA, IBM, Sun and JBOSS. XAware leverages the common services of these application server partners by providing reusable XML-views of disparate data sources. For software vendors, businesses or IT shops that don't use application servers within their application stacks, XAware can run as a component to add interoperability, XML integration and Web services to packaged applications or custom applications. XAware, through its embeddable integration components, offers an approach to data integration and an alternative to EAI solutions and custom development. XAware's application, database and information access partners include Attunity and Insevo. These allow the XAware iServer integration engine to talk to ERP, CRM, SCM, financial and other packaged applications. XAware's XML editor partner is Altova. [www.xaware.com](http://www.xaware.com)

## **IXOS ACQUIRES OBTREE & POWERWORK**

1/24/2003

IXOS Software AG has acquired Obtree Technologies Inc., Basel, and the operating business of PowerWork AG, Kempten. With the two takeovers, IXOS is implementing its previously announced growth strategy for the enterprise content management market. IXOS is taking over Obtree Technologies Inc. at a price of SFR 0.52 (EUR 0.36) per share for 96,4% of the company's 14,790,347 ordinary shares against cash. This corresponds to a purchase price of SFR 7.7 million (EUR 5.3 million) for a 100% interest. The transfer of beneficial ownership is scheduled to take place on February 1, 2003. In the case of PowerWork AG, IXOS is acquiring all operating assets for a cash payment of EUR 1.2 million, effective as of January 1, 2003 retroactively. Obtree is a European supplier of content management solutions and offers a product range that can be integrated into the environments of SAP, Microsoft and others. PowerWork AG is positioned as a supplier of process management and workflow technologies in Germany, Austria and Switzerland. IXOS' acquisition of PowerWork gives it access to workflow technology for developing sector-specific document management solutions. [www.ixos.com](http://www.ixos.com)

## **METALOGIX ANNOUNCES RELEASE OF METALOGIX MIGRATION ASSISTANT**

1/24/2003

Metalogix Software announced the commercial release of Migration Assistant. Using advanced pattern recognition technology, Metalogix Migration Assistant can traverse an entire site to collect specific user defined content and move it efficiently into Microsoft Content Management Server (CMS) 2002 - automating up to 80% of the migration process. Migration Assistant's feature set automates the migration of content from existing web sites into Microsoft Content Management Server 2002. These include automated generation of CMS 2002 Templates and Postings, automated extraction of user specified content from web sites, sophisticated HTML to XML transformation options, browser integrated Extraction Designer for rapid content identification and reusable content extraction rules that allow for repeated or scheduled content migration. Metalogix Migration Assistant is available direct from Metalogix Software. [www.metalogix.net](http://www.metalogix.net)

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## **OCTAVE ANNOUNCES CONTENT MANAGEMENT SOLUTION FOR SMB MARKET**

1/23/2003

Octave Software, Inc. announced WebOctave M-Class, targeting the small to mid-size business (SMB) market. WebOctave M-Class will be available on Linux and included in the IBM eServer Integrated Platform for e-business. The IBM eServer Integrated Platform includes xSeries hardware, WebSphere Application Server supporting Web Services, and DB2 database software for Linux. The offering will support JAVA-based applications including solutions for finance, retail, e-commerce, telecommunications, distribution and manufacturing. WebOctave M-Class is providing the CM capability for the offering. WebOctave M-Class uses the same architecture as Octave Software's product for the enterprise, now branded WebOctave E-Class. WebOctave M-Class also includes pre-built components for rapid deployment. WebOctave M-Class will be available on Linux in the first quarter of 2003. Additional platform support will follow. The eServer Integrated Platform for e-business is available through Mainline Information Systems and other authorized IBM Business Partners. [www.ibm.com/servers/eserver/linux/integrated](http://www.ibm.com/servers/eserver/linux/integrated), [www.octavesoftware.com](http://www.octavesoftware.com)

## **SOFTWARE AG ANNOUNCES TAMINO XML SERVER 4.1**

1/22/2003

Software AG, Inc. announced Tamino XML Server 4.1, the newest version of its data management platform. Tamino is designed for managing XML documents in their native format. Tamino 4.1 offers new enhancements and functionality based on XML standards such as XML Schema, XML namespaces, XML Signatures and XQuery. In addition to the extended support for these standards, Tamino 4.1 also provides high availability and reliability, transaction accuracy and integrity, enhanced security, and ease of use and system flexibility. New support for the Microsoft Management Console, and enhancements to the tools provided with Tamino XML Server for XML database and XML application developers include a new API, Tamino WebDAV server enhancements, and Node level updates. Tamino XML Server 4.1 supports Windows 2000 and Windows XP. Support of 64-bit systems and additional operating systems, such as Sun Solaris, HP Unix, AIX, Linux and OS/390, is planned for the second quarter of 2003. [www.softwareag.com](http://www.softwareag.com)

## **STRATIFY BECOMES FAST RESELLER**

1/22/2003

Fast Search & Transfer (FAST) and Stratify, Inc. announced a reseller agreement. Stratify will integrate FAST Data Search, a customizable software platform designed to tackle real-time data-intensive search and information retrieval challenges, with the Stratify Discovery System, a taxonomy and categorization solution that organizes, classifies and leverages large amounts of unstructured information. The combined solution will provide information-intensive enterprises with a search and categorization platform available to manage their structured and unstructured data resources. FAST and Stratify will engage in joint sales and marketing activities for the combined solution. <http://www.stratify.com>, [www.fastsearch.com](http://www.fastsearch.com)

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## **FACTIVA & DIVINE ANNOUNCE REPLACEMENT PRODUCT FOR DIVINE'S SPECIAL COLLECTION**

1/22/2003

Factiva and divine, inc. announced that Factiva is offering a replacement product to customers of divine's Special Collection service to meet their ongoing business information needs. divine is discontinuing the Special Collection digital content subscription service, and Factiva has agreed to provide qualified customers access to a special version of Factiva at no additional charge. Though it will no longer procure or license content directly for customers, divine will continue to offer content aggregation and normalization capabilities. divine has incorporated the search and classification technology that was core to divine Special Collection into its content management products. Factiva Learning Programs has developed a customized Short Learning Topic, an e-learning tool designed to meet just-in-time learning needs in a 10-minute multimedia briefing. Factiva and divine will contact customers directly to discuss the transition.

[www.factiva.com](http://www.factiva.com), [www.divine.com](http://www.divine.com)

## **FILENET ANNOUNCES NEW PRODUCT ARCHITECTURE**

1/21/2003

FileNet Corporation announced the availability of its FileNet P8 product architecture. The P8 architecture is designed to provide enterprise-level scalability and flexibility and combines the capabilities of FileNet's Panagon platform, Acenza application framework and its Brightspire eBusiness framework and Business Process Management technology into a unified ECM platform. Additionally, the FileNet P8 architecture utilizes a single repository, single user experience, and a single API set for developers. The FileNet P8 architecture features four pre-packaged suites: Business Process Manager, Content Manager, Web Content Manager, and Image Manager. P8 operates in Java and Microsoft environments and with SQL server and Oracle. Support for DB2 is planned. The architecture is integrated with BEA's WebLogic and IBM's Websphere. FileNet P8 also integrates to the customer's portal of choice, including BEA, SAP, IBM, Microsoft, Plumtree and Siebel immediately. P8 architecture is available now. Enterprise configuration price points start at \$125K to \$420K USD. [www.filenet.com](http://www.filenet.com)

## **SUN ONE PORTAL SERVER TO INCLUDE ALTIOLIVE PORTLET EDITION**

1/21/2003

Altio Inc. announced a strategic relationship with Sun Microsystems, Inc. that will include the worldwide bundling of the AltioLive Portlet Edition with the Sun ONE Portal Server, expected to begin in the first quarter of 2003. AltioLive Portlet Edition, an XML and Java technology-based development environment, allows Sun ONE Portal Server customers to create and deploy interactive portlets and "process portals." The relationship provides a portal solution that will allow Sun customers to build 'process portals.' Such portals let users combine data or services from different systems into coordinated processes, offering business process management from within the portal interface and shielding users from the complexity of back-end systems. The AltioLive platform also supports the Sun ONE Application Server enabling companies to develop and deploy rich enterprise business applications outside of the portal, running in any browser or personal device that later can be easily tied to portlets built with AltioLive.

[www.altio.com/sunone](http://www.altio.com/sunone)

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## **INTERWOVEN LAUNCHES CUSTOMER & PARTNER CYBERSCHOOL**

1/21/2003

Interwoven, Inc. announced it has launched the Interwoven CyberSchool to deliver personalized online training and certification programs to customers as well as consulting, ISV, and strategic partners worldwide. The CyberSchool allows individuals to take part in custom-built training and certification classes. With Docent's solution at the core of Interwoven's CyberSchool, the company has made it much easier for trainees to acquire content management skills and knowledge through easier enrollment and tracking of certification programs. Previously, Interwoven's non-instructor led training was conducted primarily by a CD-ROM offering. The CyberSchool enhances current Interwoven training to reach an international customer base across multiple time zones. Interwoven CyberSchool is powered by the Docent Learning Management Server (LMS) module in conjunction with Interwoven TeamSite software.

[www.interwoven.com/training/cyberschool](http://www.interwoven.com/training/cyberschool), [www.docent.com](http://www.docent.com)

## **BEA ANNOUNCES RIGHTSTART FOR LIQUID DATA**

1/21/2003

BEA Systems, Inc. announced the availability of RightStart for Liquid Data, a new worldwide professional services offering that can help accelerate and optimize the effectiveness of deployments on BEA Liquid Data for WebLogic. The three-week service program is designed to provide customers with on-site product training, product installation, and configuration services at a fixed price. BEA Liquid Data for WebLogic can provide integrated views of enterprise information from any data source, including databases, XML files, Web applications, and ERP systems. These logical views of information are reusable, and they can quickly aggregate the latest real-time information from both inside and outside large organizations. BEA Liquid Data for WebLogic is available from [www.bea.com](http://www.bea.com) as an add-on to BEA WebLogic Platform 7.0, BEA WebLogic Server 7.0, BEA WebLogic Integration 7.0 and BEA WebLogic Portal 7.0. [www.bea.com](http://www.bea.com)

## **ANTARCTICA ANNOUNCES VISUAL NET 3.0**

1/21/2003

Antarctica Systems Inc. announced the availability of Visual Net 3.0. This release provides users with more control over how they view and navigate large information repositories, enabling users to ask better questions of their data. Key to the delivery of these new capabilities has been the integration of Macromedia Flash. Visual Net 3.0 builds on existing search and retrieval capabilities to include an early warning system providing a proactive approach to managing business activity data. Antarctica is now targeting new markets, in particular, business intelligence (BI). New Capabilities with Visual Net 3.0 include the ability to configure the Visual Net interface using color, shape and size, the Macromedia Flash interface, and filtering capabilities to allow users to drive their browsing experience based on any selection of data fields, for fast ad hoc querying, exploration and trend identification. Visual Net 3.0 integrates with existing infrastructure to exploit the investments that enterprises have already made in search and BI technology. Visual Net 3.0 is available immediately. <http://antarctica.net>

## **AUTONOMY LAUNCHES "EDUCATION" MODULE**

1/20/2003

Autonomy Corporation plc announced the release of the Autonomy Eduction module. The Autonomy Eduction module automatically analyzes unstructured text and extracts pertinent information in order to form complex metadata. Autonomy's automatic technology, which underpins the Intelligent Data Operating Layer (IDOL) into which the new Eduction module fits,



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removes the manually intensive process of creating complex metadata and produces it in real time. Autonomy provides the ability to intelligently extract relevant information from unstructured data based on a conceptual understanding of the item rather than relying solely on noun phrase methods. With Autonomy's technology, a business can channel all manner of information such as phone numbers, URLs, interest rates and serial numbers contained in unstructured file formats into any location or database based on the type of information it is. Autonomy's Education module can be customized to organize new information via user-defined rules in the plain tagging process, through concept-value tagging which uses predefined models to train by example or through a combination of both methods. [www.autonomy.com](http://www.autonomy.com)

## **ORACLE RELEASES PORTAL TECHNOLOGY FOR WEB SERVICES**

1/20/2003

Oracle Corp. announced the immediate availability of new portal enhancements for Oracle9i Application Server, designed to capture and integrate data from multiple data sources including Web Services, spreadsheets and Web sites. These features, OmniPortlet and Web Clipping, shift the customization and integration of portal development from IT departments to end-users, allowing non-technical users to customize portal content and integrate data via self-service interfaces. The OmniPortlet functionality allows business users to access Web services, XML, and spreadsheet data sources and publish them in various formats including reports, forms, charts and news, in the form of a portlet. The Web Clipping feature offers a way to capture content and functionality from existing internal Web sites and present them as portlets. The OmniPortlet and Web Clipping features are included in the Oracle9i Application Server Portal Developer Kit, which is available for immediate download free of charge from OTN. The features will also ship with Oracle9i Application Server Release 2, version 9.0.4, scheduled to be released in the first half of 2003. [www.oracle.com](http://www.oracle.com)

## **REDDOT'S CMS INTEGRATES WITH PLUMTREE'S PORTAL SERVER**

1/20/2003

RedDot Solutions announced the company's integration with Plumtree's Portal Server. Through the "RedDot CMS Task" gadget for Plumtree Portal, integration will enable customers to extend RedDot CMS' workflow editing capabilities into the Plumtree Portal. Users of the portal can customize their "My Page" to display the content and information that they find most useful. When the user's "My Page" is opened, the Portal Server retrieves individual content blocks, called "gadgets," from various locations, or "gadget servers." The gadgets are then displayed in a multi-column Web page, whose layout and style are customizable by the end user. The RedDot CMS Tasks gadget gives the Plumtree portal user an at-a-glance summary of RedDot CMS Tasks Menu directly from his/her "My Page", without having to first log in to RedDot. The gadget code resides on the RedDot server, which also acts as the gadget server. When the Portal Server requests gadget content from the RedDot server, RQL (the RedDot Query Language, RedDot CMS's XML-based API) is used to interface with the RedDot server and retrieve the user's Tasks. [www.reddot.com](http://www.reddot.com)

*The large number of partnerships between content management and portal vendors is interesting because of the significant overlap in functionality. See our January report for a discussion of this and a closer look at the corporate portal market.*

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## **MAGIC ANNOUNCES INVESTMENT & PARTNERSHIP WITH ENFORMIA**

1/20/2003

Magic Software Enterprises announced it has signed a partnership agreement with Enformia Ltd. As part of this agreement, Magic Software will invest up to \$1.5 million in the continued development of the Enformia EIP. Magic was given an option to increase its holdings in Enformia up to 51%. Work has already commenced to integrate the Enformia EIP as the iBOLT Portal Server, in the new iBOLT Integration family of products that Magic Software has recently announced. The iBOLT Portal Server will enable corporations to deliver customized information and applications to customers, employees, partners and suppliers. [www.enformia.com](http://www.enformia.com), [www.magicsoftware.com](http://www.magicsoftware.com)

## **PROGRESSIVE INFORMATION TECHNOLOGIES RELEASES VASONT 8.0**

1/20/2003

Progressive Information Technologies announced the release of Vasont 8.0, the latest version of its content management system for cross-media publishing. Combining digital asset management and content management functionality, Vasont 8.0 handles the creation, management and publishing of content ranging from basic text and graphics to audio and video files. New and enhanced features of Vasont 8.0 include multi-language translation management, built-in customizations, asynchronous processing, performance enhancements, integration of XSLT, enhanced versioning, security access, and an expanded Application API. Vasont 8.0 solves the challenge of repurposing content across all media – print, Web, CD-ROM and wireless channels – while ensuring enterprise-wide content integrity. Vasont 8.0 stores only one copy of the content in its repository and automatically updates content in all of its uses throughout the system once a user makes a change to the original content. Vasont 8.0 will be available this February as a client/server or Web-based system. [www.vasont.com](http://www.vasont.com), [www.pit-magnus.com](http://www.pit-magnus.com)

## **FIRST CONSULTING GROUP RELEASES FIRSTDOC 2.0**

1/16/2003

First Consulting Group, Inc. announced the release of FirstDoc 2.0, FCG's content management suite to help life sciences and pharmaceutical companies speed their products to market and comply with federal regulatory requirements. FirstDoc 2.0's has several enhancements added to increase user speed and convenience for creating and managing content associated with research and development, regulatory submissions and marketing and sales. With FirstDoc 2.0, end users in global organizations can display all screens – including help messages – in their local language, reducing potential for misunderstandings. A simpler Web interface enables users to personalize their views of information stored in various repositories. Improved workflow capabilities allow users to select who will review and approve their documents – based on business roles – at the time of routing. [www.fcg.com](http://www.fcg.com)

## **XML GLOBAL RELEASES GOXML MESSAGING 3.0**

1/15/2003

XML Global Technologies, Inc. announced the release of GoXML Messaging 3.0. GoXML Messaging is a secure SOAP-based messaging system that supports ebXML Messaging Specification 2.0. GoXML Messaging 3.0 has been successfully certified in the current round of Drummond Group ebXML Messaging 2.0 interoperability tests sponsored by the Uniform Code Council, Inc. (UCC). GoXML Messaging now allows businesses to publish Web services that offer security guarantees for business documents such as invoices, health records and digital images. GoXML Messaging is designed to operate as a lightweight web application or as a small-footprint em-



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beddable software component. This enables existing applications to engage in secure and reliable document exchanges over intranets and the Internet. Key features of GoXML Messaging 3.0 include being certified for ebXML Message Service 2.0 interoperability, support for ebXML CPA 2.0 trading partner agreements, persistent message storage for reliable messaging, a Java API. GoXML Messaging 3.0 is available for evaluation from January 20, 2003.

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

## **GLOBALSCAPE LAUNCHES WEB CONTENT MANAGEMENT SYSTEM**

1/14/2003

GlobalSCAPE the maker of the file transfer application, CuteFTP, announced the launch of its new Web content management system, PureCMS, offering a simple, affordable way for users of all skill levels to update their organization's Web site. PureCMS is Web-based and Windows-like. Users access it from a browser, it runs on a server with Microsoft IIS and it can publish to any Web server. Non-technical users simply browse to a copy of their organization's Web site on the PureCMS staging server, click the page they want to edit, login and make textual or graphic changes on screen. They can copy and paste content into the Web page from Windows applications such as Microsoft Word. Once proposed changes are saved, that individual's team leader is notified of pending activity via e-mail. They are able to visually compare proposed changes to the previous version, approve, and publish, or schedule for publishing. Out-of-the-box installation that can be fully operational in a day. PureCMS is available immediately from GlobalSCAPE based on a tiered, per-user license basis. Pricing begins at \$350 per user and is available for 3, 10, 20 and unlimited users. [www.globalscape.com/purecms](http://www.globalscape.com/purecms)

## **CAMBRIDGE DOCS ANNOUNCES xDOC XML CONVERTER**

1/14/2003

CambridgeDocs announced the xDoc Converter, a tool for migrating unstructured content from legacy sources, including Microsoft Word, HTML, and Adobe PDF documents into any XML schema (XSD) or DTD. The xDoc Converter is a dedicated platform and IDE specifically designed to help businesses transform pre-existing unstructured HTML and Microsoft Word documents into "meaningful" XML, such as DocBook XML, LegalXML, NewsML, HR-XML, SCORM, and other customer-specific schemas. The resulting XML can be used for content management, multi-channel publishing, and syndication via Web Services. The xDoc Converter allows ordinary programmers or IT personnel to create a set of generic "conversion" rules through the use of a point-and-click interface. The xDoc Converter is a Java 2 platform with a .NET interface, and it works on Windows 2000 and Windows XP. In addition to its point-and-click interface, the xDoc Converter has in-depth reference manuals and product tutorials, and example rules for converting documents into DocBook XML. The application can be downloaded for immediate evaluation and purchase from [www.cambridgedocs.com](http://www.cambridgedocs.com)

## **W3C ISSUES SCALABLE VECTOR GRAPHICS -SVG- 1.1 & MOBILE SVG AS RECOMMENDATIONS**

1/14/2003

The World Wide Web Consortium (W3C) has issued Scalable Vector Graphics (SVG) 1.1 and Mobile SVG Profiles as W3C Recommendations. SVG 1.1 separates SVG capabilities into reusable building blocks, and SVG Mobile re-combines them in a way optimized for mobile devices. The graphical capabilities of SVG 1.1 are the same as those of the widely implemented SVG 1.0, which has been a W3C Recommendation since 4 September 2001. What has changed is the way the language is defined. For SVG 1.0, the DTD was a single, monolithic unit. In SVG 1.1, the DTD is divided up into smaller, more flexible functional building blocks that can be reas-

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sembled in different ways for different purposes. W3C has used the SVG 1.1 building blocks to make two profiles or subsets of full SVG; SVG Tiny, aimed at multimedia capable cell phones such as the recently announced 3G units, and SVG Basic for handheld and palmtop computers. Instead of sending text messages or canned, bitmap logos, SVG Tiny now makes it possible to send a colorful animated multimedia message. As Mobile SVG is a true subset of SVG 1.1, all conformant desktop players will correctly display all Mobile SVG content. [www.w3.org](http://www.w3.org)

## **VENETICA ANNOUNCES VENICEBRIDGE 5.0**

1/14/2003

Venetica announced a major release of VeniceBridge. The new release will increase the types of content repositories that can be integrated with enterprise applications through VeniceBridge's single, bi-directional interface. VeniceBridge 5.0 will expand its universal view to include a common inbox to workflow engines such as Documentum and FileNET, and independent BPM engines such as MQSeries Workflow. Target engines also include BizTalk, Open Text, and Staffware. VeniceBridge 5.0 will also make statements, invoices and other information stored in enterprise report management (ERM) systems available. Target ERM systems include IBM On-Demand, Mobius ViewDirect and FileNET Panagon Report Manager. The release includes an event subscription model that can provide notification when a document or workflow change has been made. VeniceBridge will extend the current interface with higher-level, document-oriented web services transactions. VeniceBridge 5.0 will also provide new features for handling geographically dispersed content sources and extremely large content such as audio, video and high-resolution images. VeniceBridge 5.0 will be generally available in Q2 2003.

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

## **HIT SOFTWARE & ALTOVA UNIFY XML AND RELATIONAL DATABASE APPLICATION DEVELOPMENT**

1/14/2003

HiT Software Inc. and Altova announced a new product integration between Altova's XMLSPY 5 and HiT Software's winAllora Xpress, a bi-directional data mapping utility that facilitates conversion of XML and relational data. When used together, the two products allow software application developers to utilize the relational database-to-XML mapping utilities of HiT Software's winAllora Xpress, directly from within the XMLSPY 5 development environment. Developers can use the XMLSPY 5 XML Schema editor to model data elements, then use graphical tools in winAllora Xpress to define XML Schema to relational database mappings, or, inspect existing database tables and relationships and auto-generate an XML Schema with winAllora Xpress, and refine the XML Schema in XMLSPY 5. Free trial versions of XMLSPY Enterprise Edition 5 and winAllora Xpress 3.1 can be downloaded. [www.hitsw.com](http://www.hitsw.com), [www.altova.com](http://www.altova.com)

## **SUN ANNOUNCES SUN ONE IDENTITY SERVER 6.0**

1/14/2003

Sun Microsystems, Inc. announced the general availability of the Sun ONE Identity Server 6.0, a network identity solution. The Sun ONE Identity Server 6.0 leverages Java, the Liberty Alliance, Security Assertion Markup Language (SAML) specifications. The Sun ONE Identity Server 6.0 integrates access management, delegated administration, directory and federation services into a single product. A key component of Sun's overall identity management solution, it is built on top of the Sun ONE Directory Server and leverages the consolidation capabilities of the Sun ONE Meta Directory. A key capability of the Sun ONE Identity Server is the ability to federate identities, via either SAML or the Liberty Specification, both internal and external to the organization's firewall. The Sun ONE Identity Server 6.0 integrates the Sun ONE Directory Server and includes access management, identity administration, federation, and service

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includes access management, identity administration, federation, and service management. Sun is also a founding member of the Liberty Alliance. The Sun ONE Identity Server 6.0 is available immediately. [www.sun.com/software/products/identity\\_srvr/home\\_identity.html](http://www.sun.com/software/products/identity_srvr/home_identity.html), [www.sun.com](http://www.sun.com)

## **VERIDOCs ANNOUNCES AVAILABILITY OF XMLDOCs BETA**

1/13/2003

Veridocs announced that XMLdocs Beta Version is available free for a limited time. XMLdocs is a hosted, Web-based system for creating and managing user-friendly XML content management solutions. XMLdocs Version 1, slated for release in February 2003, will be available on a hosted basis. With XMLdocs, organizations can create XML document templates for everything from press releases and product descriptions to knowledge-based articles and help documents. Using these templates, non-technical users write XML documents in XMLdoc's XML word processor. Documents can then be exported for publication on a Web site or elsewhere through a simple Web Service. <http://my.xmldocs.com/register>

## **DATAPOWER ANNOUNCES XML SECURITY GATEWAY FOR WEB SERVICES**

1/13/2003

DataPower Technology, Inc. announced the immediate availability of the DataPower XS40 XML Security Gateway, a network device purpose-built to secure XML-based applications at wire-speed across the entire enterprise with ease. The XS40 device combines wirespeed performance, comprehensive security and agility to allow enterprises to overcome the largest barrier to adopting XML Web Services both internally and externally. With XG3 - DataPower's XML processing technology - the XS40 is able to parse, validate schema, decrypt, verify signatures, transform, sign and encrypt XML message flows with the wirespeed performance necessary. The XS40 integrates XML/SOAP filtering, encryption, digital signatures, and data validation at the message level or at the XML field level. The DataPower XS40 XML Security Gateway is shipping today. [www.datapower.com](http://www.datapower.com)

## **GLOBAL MOXIE ANNOUNCES BIG MEDIUM 1.0**

1/13/2003

Global Moxie announced the immediate release of Big Medium, a content management system that makes it easy to manage dynamic, fast-changing websites. The software's browser-based interface allows non-technical staff to add, edit and publish Web content without needing to learn HTML. Designed to fit within the technical resources and budgets of even the smallest businesses and non-profits, Big Medium delivers power and flexibility to organizations that typically find themselves unable to access or afford Web management tools. Big Medium is a suite of Perl scripts that runs on UNIX servers, including Linux, Mac OSX, Solaris and FreeBSD. Big Medium can manage hundreds of websites on a single server, allowing organizations to provide individual departments, products, employees, teachers or students with their own sites. Big Medium was designed to help manage content-rich, frequently updated sites such as news sites, marketing sites, corporate intranets or education sites that require daily, weekly or monthly updates. Big Medium is available today from the Global Moxie website and is licensed for \$299, with free updates for one year. The product runs on servers operating the UNIX operating system, including Linux, Mac OSX, Solaris and FreeBSD. [www.globalmoxie.com](http://www.globalmoxie.com)

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## **OPEN TEXT & ELOQUENT ANNOUNCE ACQUISITION AGREEMENT**

1/9/2003

Open Text Corporation and Eloquent, Inc. announced that they have entered into a definitive acquisition agreement in which a wholly owned subsidiary of Open Text will acquire all of the issued and outstanding shares of Eloquent for cash consideration of up to US \$6,720,000, or approximately \$0.34 per share, of which US \$1,000,000 will be held in escrow to secure certain representations, warranties and covenants of Eloquent in the acquisition agreement. The purchase price is also subject to downward closing adjustment based on Eloquent's net cash at closing as described in the acquisition agreement. The companies expect the transaction to close in the next 90 days subject to certain conditions, including approval by Eloquent's stockholders. Eloquent's "sales readiness" solution, LaunchForce, is designed to deploy corporate knowledge to front-line employees and partners. Benefits of integration with Open Text's Livelihood include: enhancing Livelihood MeetingZone with live video conferencing and rich automatic archiving, adding Livelihood for Sales Readiness to the Livelihood Application Portfolio, and adding collaboration and knowledge management capabilities to LaunchForce.

[www.eloquent.com](http://www.eloquent.com), [www.opentext.com](http://www.opentext.com)

## **CANTO ANNOUNCES INTERNET CLIENT PRO**

1/9/2003

Canto announced "Internet Client Pro". Internet Client Pro, part of the Cumulus Enterprise Edition, is based on Cumulus Java Classes and JSP technology and replaces the "Internet Client" based on cgi technology. Internet Client Pro is especially designed for users who do not merely publish their assets but also intend to use them for marketing and generating business, as is the case in marketing departments, ad agencies, publishing houses, and PR departments. Internet Client Pro is only compatible with the Cumulus Enterprise Edition. Internet Client Pro enables users to create dynamic web pages allowing visitors to search for images and other documents within Cumulus catalogs using a standard Web browser, then they can sort and select and place the items in a collection basket for download. According to their user rights visitors also can catalog new assets, assign assets to new categories, edit and update stored metadata or check out and check in assets for local processing without having to install additional software. Internet Client Pro is due to be available in the middle of February 2003 with an English, German, and French user interface on Mac OS X, Windows, Solaris and Linux platforms.

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

## **XEROX MAKES NEW PROGRAMMING LANGUAGE FOR DOCUMENT TRANSFORMATIONS AVAILABLE**

1/8/2003

An experimental programming language now available for testing transforms documents and data between specific formats so that documents can be read no matter what application or device is used. It's posted on a site that is jointly managed by Xerox Corporation and Rochester Institute of Technology (RIT) for programmers and software developers who want to try out software from both commercial and academic research centers. The new language, called Circus-DTE, is a research project developed at the Xerox Research Centre of Europe in Grenoble, France. XRCE scientists believe that Circus-DTE could be especially useful when there are multiple document transformations, such as document content processing, Internet publishing, publishing on handheld devices and database-to-XML conversions. For example, processing a customer order requires a series of transformations – data must be input into applications that check inventory and availability, that prepare shipping documentation, that generate an invoice, that process payments and perhaps even publish to the Web so a customer can track

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progress online. Software developers and programmers wishing to check out Circus-DTE or any of the other technologies can download them from [www.alphaAve.com](http://www.alphaAve.com), [www.lac.rit.edu](http://www.lac.rit.edu), [www.parc.com](http://www.parc.com)

## **MIRROR IMAGE LAUNCHES INSTACONTENT STREAM**

1/7/2003

Mirror Image Internet announced the availability of instaContent Stream, the newest edition to the company's suite of instaContent Global Distribution Services. The enhanced instaContent Stream offering provides multimedia management and delivery capabilities that enable users to publish, manage, deliver and analyze high-quality multimedia presentations. By leveraging Mirror Image's Content Access Point (CAP) network to regionally store and deliver multimedia, instaContent Stream provides businesses with the ability to deliver rich, continuous multimedia to users, regardless of location or Web traffic fluctuations. Mirror Image's solution eliminates the need to install additional internal architecture, reduces bandwidth and storage requirements, and includes media file support for multiple delivery platforms, including RealNetworks, Windows Media and QuickTime. [www.mirror-image.com](http://www.mirror-image.com)

## **FINJAN ACQUIRES ALCHEMEDIA**

1/7/2003

Finjan Software announced that it has acquired the assets and intellectual property of Alchemedia Technologies. Alchemedia's complementary product offerings will provide customers with enhanced functionality to meet their content security needs. Alchemedia is a provider of Enterprise Digital Rights Management (EDRM) software to the automotive, energy, pharmaceutical, aerospace, financial services and government markets. Customers will have greater proactive security control over their mission critical content. Finjan purchased all of Alchemedia's intellectual property and assets, including operating assets, property and customers. The core asset of the acquisition was Alchemedia's product, Mirage Enterprise 3.1, which enables users to view and collaborate on documents while the data included in those documents is shielded from all avenues of digital redistribution. [www.finjan.com](http://www.finjan.com)

## **IMANAGE ANNOUNCES NEW OEM PROGRAM**

1/7/2003

iManage, Inc. announced its new OEM program that enables independent software vendors (ISVs) and application service providers (ASPs) to quickly bring to market tightly integrated, private-labeled applications from iManage, including document management, collaboration, knowledge management and portals. The program targets ISVs and ASPs offering new content-rich applications such as eLearning, contract management, supplier relationship management (SRM) and product lifecycle management (PLM). Under the OEM program, partners can quickly add scalable and secure collaborative content management features including document version control, event notification, foldering, check-in/check-out, audit trails, integration with desktop applications and search and retrieval. iManage Worksite MP is an enterprise class, multi-platform, J2EE compliant Java-based solution, based on standards such as XML/XSL. WorkSite MP operates across Windows NT, Linux and Solaris platforms. [www.imanage.com](http://www.imanage.com)

## **MACROMEDIA SHIPS J2EE APPLICATION SERVER FOR OS X**

1/7/2003

Macromedia, Inc. announced the immediate availability of Macromedia JRun 4 for Mac OS X. Macromedia JRun 4 takes advantage of Mac OS X to deliver a fast and reliable server platform

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for J2EE applications. JRun 4 simplifies and speeds Java application delivery with a focus on affordability, developer productivity, and easy management and administration. In addition, Macromedia announced that the developer edition of Macromedia ColdFusion MX for J2EE Application Servers now supports Mac OS X. ColdFusion MX for J2EE Application Servers adds ColdFusion scripting capabilities to J2EE application servers (from BEA, IBM, and Sun) including JRun 4 for Mac OS X. New Mac OS X support for the developer edition enables Macromedia Studio MX developers to both create and test ColdFusion MX applications on the Mac OS X platform. Macromedia JRun 4 for Mac OS X is priced at \$899 per processor. The free developer editions of JRun 4 for Mac OS X and Macromedia ColdFusion MX for JRun are available for immediate download. [www.macromedia.com](http://www.macromedia.com)

## **ATOMZ ANNOUNCES MAC EDITING SUPPORT**

*1/6/2003*

Atomz announced that a Web site content editor is now available for the Macintosh platform, allowing Macintosh users to contribute content to their company Web sites using Atomz Publish. Atomz said the WYSIWYG Rich Text Editing Interface is now a standard option for all Atomz Publish customers. With the addition of Macintosh support, Atomz Publish customers can now support end users who use either Macintosh, Windows, or both. For example, content authors could use their Macintosh at home and then their Windows PC at the office to contribute or edit content. Customers can use: the Macintosh WYSIWYG Rich Text Editing Interface designed for Internet Explorer 5.2 and higher on Mac OS X v10.2; a Windows WYSIWYG Rich Text Editing Interface; a free-form HTML editing interface; and a text-Only content contribution field. [www.atomz.com](http://www.atomz.com)



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## CALENDAR

**Documation France 2003.** March 17-19, 2003, *CNIT La Défense – Paris, France*. Our 10th annual Documation France with TechnoForum covers content management, enterprise portals, and electronic document technologies. Mark your calendars and stay tuned for more information. <http://www.gilbane.com/documation03.html>, [www.technoforum.fr/index.html](http://www.technoforum.fr/index.html)

**Using XML in Enterprise Content Management – Gilbane Report Workshop @ AIIM.** April 6th, 2003, *Javits Center, New York, NY*. It is almost inconceivable for an enterprise content management strategy today not to include XML. But just what should its role be? Should content be stored in XML or just shared in XML? Should XML be used for metadata only, content, or both? Or, should XML just be used as web service plumbing? In this concentrated workshop with Gilbane Report Associate Editor, and author Bill Trippe, you'll learn what businesses are doing today with XML and enterprise content management, how to think about the different roles XML can or should play in your own environment, and how to get started in XML. <http://www.aiim2003.com/workshop.cfm>

**Seybold-Gilbane Content Management Intensive,** Wednesday, June 11, *RAI Centre, Amsterdam*. Our one-day intensive update helps you get started confidently on new content management strategy, and helps you checkpoint your current implementation against what other businesses are doing and what can now be accomplished. See [www.gilbane.com/events.html](http://www.gilbane.com/events.html) for more information on this and other events.

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