



## OASIS Mobilizes to Overcome PKI Adoption Challenges

Members of the OASIS international standards consortium have published an Action Plan aimed at breaking down barriers to widespread adoption of Public Key Infrastructure (PKI) technology. Considered a foundational Internet security technology, PKI is used to authenticate people, secure commercial transactions, and protect the privacy of emails and telephone conversations.

John Sabo of Computer Associates and Steven Hanna of Sun Microsystems are co-chairs of the OASIS PKI Technical Committee. "The industry's understanding of how digital certificates can be effectively used in e-business and e-government systems has greatly evolved from the early days of PKI," explained Sabo. "The Committee believes that the security benefits provided by PKI can become more widely available with our proposed plan for

addressing the current obstacles to deployment." Hanna said, "We're issuing an industry-wide Call-to-Action to increase use of a technology that is essential to achieve the level of security needed in today's world."

The OASIS PKI Action Plan builds on the results of a series of surveys conducted by the PKI Technical Committee with IT staff who have deployed or attempted to deploy PKI. The surveys identified five primary obstacles to adoption: 1) poor or missing support in software applications, 2) high costs, 3) poor understanding of PKI among senior managers and end users, 4) interoperability problems, and 5) lack of focus on business needs. The OASIS PKI Action Plan directly addresses these obstacles, calling for clear and specific guidelines for using PKI in the most relevant application types—document signing, secure email, and electronic commerce. ■

## Netegrity Ships SiteMinder 6.0 With SAML Federation

Netegrity, Inc. (Nasdaq: NETE), is now shipping SiteMinder 6.0, which provides a flexible federation model that enables SiteMinder customers to both consume and produce SAML (Security Assertion Markup Language) assertions. In addition, for partners that may not be SAML enabled, SiteMinder also offers the SAML Affiliate Agent. This software component enables an organization to quickly bring partners into a SAML enabled collaboration.

In addition to enhanced SAML support, Netegrity SiteMinder 6.0 provides improved performance, scalability, manageability, and availability features, including enhanced failover, dynamic load balancing, and advanced troubleshooting features as well as support for Windows 2003, Active Directory 2003, and IIS Web Server 6.0. The new release also provides impersonation support to allow specific users to use the entitlements of another user without sharing passwords. For example, a customer service representative can use the entitlements of a customer to change something in their account. This enables companies to audit that in fact it was the customer service rep that made the change and not the customer. ■

## Novell Releases Identity Manager 2

Novell has released its Nsure Identity Manager 2, formerly DirXML, which streamlines an organization's user administration processes to reduce management costs, increase productivity and security and support compliance with industry regulations. With Nsure Identity Manager 2, companies can implement a fully integrated identity management solution, rather than standalone provisioning, password management or metadirectory products, to assimilate identities from across all connected systems.

Nsure Identity Manager leverages an organization's distributed user administration processes by allowing IT administrators to designate any connected resource as the authoritative source for any identity attribute such as name, e-mail address or password. For example, end users can be given

self-service capabilities to manage their passwords, the e-mail administrator can be given responsibility for e-mail addresses while access to applications remains centrally managed by the IT administrator. Changes made by the authoritative source for each attribute are then synchronized across all locations and systems.

Enhancements in Novell Nsure Identity Manager 2 include simplified browser based configuration, self-service password management, role-based administration, monitoring and reporting to track and monitor security-related activity in internal systems and applications and generate reports or real-time notifications. Novell Nsure Identity Manager is now available for Linux, Windows, NetWare and Solaris at both per server and per user pricing through Novell channel partners. ■

## Netegrity Acquires Business Layers for \$42.5m

**N**etegrity, Inc. (Nasdaq: NETE), announced that the Company has acquired Business Layers, the eProvisioning company. Netegrity plans to further integrate the provisioning technology within the Netegrity identity and access management solution and will also continue to invest in the provisioning technology as a stand alone product. This enables organizations to manage employees, partners, and customers and their access to numerous disparate applications, systems, architectures, and processes throughout the lifecycle of the business relationship.

"Today, customers need effective solutions to solve their specific access management, identity administration, and provisioning needs," said Barry Bycoff, Netegrity Chairman, President, and CEO. "However, the market is clearly evolving to an integrated identity and access management solution that spans the enterprise and beyond." "This development is a natural progression of the very successful licensing partnership that Netegrity and Business Layers established a year ago to provide the industry with a complete identity and access management solution," said Izhar Shay, Co-Founder, President, and CEO of Business Layers. "Netegrity's leadership in the access control and identity administration market, global market presence and reach, and corporate stability, combined with Business Layers' leading provisioning technology, will provide organizations with the solutions they urgently need to address their comprehensive identity and access management challenges."

Under the terms of the agreement, Netegrity will pay approximately \$42.5 million for Business Layers. Of this amount, \$15 million will be paid in cash and approximately \$27.5 million will be paid in shares of Netegrity common stock. ■

## SSP-Litronic Introduces Enterprise Credential Management System

**S**SP Solutions, Inc. (Nasdaq: SSPX), dba SSP-Litronic, announced the availability of its new Enterprise Credential Management System. Based upon the company's proven public key infrastructure (PKI) technology, the Enterprise Credential Management System provides a comprehensive solution for issuance, administration and lifecycle management of digital certificates, secure credentials and smart cards, which have long created a significant challenge for IT departments in terms of cost, complexity and end user functionality.

The Enterprise Credential Management System is an integrated combination of SSP-Litronic's Profile Manager Enterprise and NetSign Enterprise products. It offers a full range of support for PKI activities, including certificate issuance and revoca-

tion, key recovery, certificate update, re-key and renewal. A web-based architecture and interface offers both administrators and users multiple options for card use, service, and support. The system, based on open industry standards to ensure interoperability, can be hosted on one system or multiple systems via load balancing and supports multiple Java Card Applet sets for maximum flexibility.

"Enterprises are making significant investments in authentication and access control to improve network security," says Marvin Winkler, CEO and Co-Chairman of SSP-Litronic. "The Enterprise Credential Management System addresses the most important factors that organizations should consider for smart card deployment, including advanced features, interoperability, cost-effectiveness and ease of use." ■

## Courion Integrates IdM Suite with Oracle

**C**ourion Corporation announced that their Identity Management Suite now integrates seamlessly with Oracle Internet Directory. Courion's integration with the Internet Directory capabilities in Oracle Application Server 10g allows customers to leverage the power of Oracle's rich directory capabilities to provision network and application accounts as well as manage passwords in heterogeneous systems environments. Instead of requiring customers to migrate all user profiles into another database tied to an identity management solution, users can now leverage Oracle's Directory Synchronization (part of Oracle Application Server 10g) to either migrate data from multiple sources into one directory or leave the data in different locations, as the busi-

ness requires. This flexibility results in swifter implementations and faster return on investment.

"Our work with Courion will bring enterprise-class implementations that enable Oracle to the forefront of the heterogeneous IT world by enabling our joint customers to provision the entire enterprise from the Oracle Identity Management solution," said John Heimann, director, Security Product Management, Oracle Corp. "In combination, our solutions can help customers slash user security costs, reduce vulnerability and enjoy the benefits of a complete identity management solution." The integrated Courion and Oracle solution is available immediately directly and through authorized channels. ■



## SAML SSO Interop Demo for GSA E-Authentication Initiative

Eleven vendors teamed with the U.S. General Service Administration (GSA) E-Gov E-Authentication Initiative to demonstrate interoperability of SAML 1.1. For the first time ever, members of the OASIS Security Services Technical Committee demonstrated both types of SAML version 1.1 Single Sign-On, along with additional scenarios that highlight SAML's flexibility. The OASIS SAML Interoperability Lab, sponsored by GSA, hosted by RSA Security, and co-sponsored by Sun Microsystems, used three separate scenarios to simulate interaction between a government or enterprise portal and sites from typical content or service providers.

The GSA E-Authentication Initiative is committed to delivering open standards-based authentication solutions to U.S. government agencies. Currently, E-Authentication is working with products that are interoperable using the SAML 1.0 protocol. According to Steve Timchak, E-Authentication Program Manager, "Interoperability among products is a key to the federated approach adopted by the E-Authentication Initiative. Additional protocols will emerge and become viable standards in the E-Authentication environment as federated authentication evolves. Sponsoring the SAML 1.1 Interoperability Lab is part of E-Authentication's commitment to this evolution." ■

## Thor Technologies Completes \$15m Funding

Thor Technologies, a provider of access rights management and provisioning software, said it has raised \$15 million in its third institutional round of financing. Participating in this financing round were new investors Trident Capital and RBC Technology Ventures, the strategic investment arm of Royal Bank of Canada, along with existing shareholders Bain Capital Ventures, Boston Capital Ventures, and Longworth Venture Partners. The company had previously raised \$27.3 million since its founding in 2000.

Thor Chairman and CEO Alberto Yopez said the company will use the new capital to continue to enhance its product offering and expand into Asia Pacific and further into Europe. Thor's product, Xellerate, is a provisioning system for automatically granting and revoking access to enterprise applications and managed systems. The company launched its latest release in December and has another planned for April. Yopez said Thor expects to reach profitability during the first half of next year. ■

## Abridean Announces Provisor 4.1

Chicago-based Abridean, a user management and provisioning software provider, announced the immediate availability of AbrideanProvisor 4.1. Provisor's automated user management and provisioning capabilities dramatically improve security policy enforcement and IT efficiency by automating user account setup and ongoing maintenance. Provisor 4.1 simplifies deployment by addressing specific user management opportunities with the release of 'modular' solutions for Group Management and Password Management that add important new functionality that can be deployed quickly, cost-effectively, and independently of a full user management and provisioning deployment.

Provisor 4.1 enables organizations to easily define and deploy security policies that govern user account setup and ongoing maintenance, including granting access to resources and configuring applications, using simple graphical flowcharts. Combined with Provisor's unique approach to defining adaptable "packages" of entitlements for different users and roles, these new policy services dramatically improve an organization's ability to implement security policies and avoid the ongoing high cost and complexity inherent in other approaches. ■

## Entrust TruePass Integrated with Citrix, Oracle and SAP

Entrust, Inc. (Nasdaq: ENTU), announced that through integration of its TruePass software with applications and technology from Citrix Systems, Oracle, and SAP, and through integration and bundling of Sun Microsystems's Identity Manager, the Entrust Secure Identity Management Solution provides end customers with Web-based strong authentication.

Strong authentication enables customers to expand the deployment and use of these solutions by protecting sensitive information and transactions from unauthorized access. This new release of Entrust TruePass software builds on the commitment of Entrust and its partners to provide customers with a tightly integrated Secure Identity Management solution. ■

## Nuance Releases Nuance Verifier 3.5

Nuance (Nasdaq:NUAN), released version 3.5 of their Nuance Verifier voice authentication software. The release includes new capabilities that boost Verifier's performance across a range of communications environments, including wireless, hands-free and landline phones, and simplify the delivery and deployment of systems using voice authentication. Nuance Verifier enables secure self-service access to account and personal information. "Nuance has been a leader of the voice authentication software market since 1998," said Chuck Berger, Nuance President and CEO. "Today, Nuance Verifier automates more than 150 million secure transactions each year. Our customers and partners will gain even greater business value from their Nuance Verifier 3.5 implementations."

A recent study from TouchPoint Consulting confirms the consumer acceptance of voice authentication, with eighty-eight percent of consumers reporting voice authentication as equally or more convenient than touch-tone PINs. A Centre for Mathematics and Scientific Computing U.K. biometrics study pointed to voice authentication as out-performing fingerprint systems, which reported ten times as many errors as voice.

Forrester Research estimates that companies in a range of vertical markets – financial services, insurance, healthcare, retail, telecommunications and others – will spend an estimated \$1.8 billion by 2006 on biometric technologies to protect information and secure transactions. ■

## Oblix Acquires Confluent for Web Services Management

Oblix announced it has signed a binding agreement to acquire Confluent Software, a provider of enterprise Web services management solutions. The acquisition directly addresses a rapidly growing need for companies that are continuing their online evolution through the deployment of Web services. "The move from Identity and Access Management to Web Services Security and Management is a natural evolution for Oblix that meets the needs of our customers," said Gordon Eubanks, Oblix President and CEO. "They are leading companies that have moved their business processes to the Web to drive down costs and improve relationships with key constituents. They have managed and secured this infrastructure with

Enterprise Identity Management. As they extend the online model through the deployment of Web services, they have a need to expand the notion of Identity Management to include managing the policies that govern application-to-application interaction."

Confluent's Web services management product, already integrated with the Oblix platform, will be available for sale immediately from Oblix. Oblix will continue to support the entire Confluent product suite – the products already work together and can be deployed in customer environments today. The Confluent product development organization will be maintained and integrated within Oblix, as will key members of the Confluent sales, professional services and support teams. ■

## Viisage Acquires ZN Vision and TransDigital

Viisage (Nasdaq: VISG), a leading provider of advanced technology identity solutions, recently made two acquisitions. It acquired privately held ZN Vision Technologies AG, the European market leader in face recognition technology, for stock valued at approximately \$25 million. The completion of the acquisition represents the formal union of the North American and European leaders in identity solutions. Viisage now boasts not only the largest global installation base of facial recognition deployments, but also the industry's premier research and development team, one that is expected to continue to advance the capabilities of the combined Viisage-ZN solution.

In a separate transaction, Viisage acquired the privately held Arlington, VA company Trans Digital Technologies Corporation for stock, notes and cash

totaling approximately \$20 million. Privately held TDT was spun out of Thermo Electron Corporation in 2000 and has since established a market leading position in providing advanced technology solutions to the U.S. Federal Government for border management applications. TNT is the sole source provider of high security technology and services to the U.S. Department of State for the production of U.S. passports. In addition to the contract with the Department of State, TDT has contracts with the Department of Defense and the Department of Homeland Security for advanced technology identity solutions. "The acquisition of TDT is transformational for Viisage, as it expands our presence in the identity solutions market and significantly extends our presence in the U.S. Federal Government market," said Bernard Bailey, president and CEO of Viisage. ■



## VeriSign Introduces Open Authentication Architecture

VeriSign, Inc. (Nasdaq:VRSN), announced the creation of OATH, a Cross-Industry Reference Architecture for Open Strong Authentication they hope will help drive adoption across all networks, applications and devices. Based primarily on existing standards, OATH will ensure that secure credentials can be provisioned and verified by disparate software and hardware platforms, removing traditional barriers to widespread adoption and ultimately giving enterprise IT managers better control over their security environment. Leading hardware and software providers have joined with VeriSign in support of the OATH reference architecture, which will leverage widely adopted protocols and technology (for example, LDAP and RADIUS) as its foundation. In addition, the companies intend to develop new specifications for key missing standards for credential provisioning and a One Time Password (OTP) algorithm. These specifications will be brought forward and refined within appropriate groups, including the IETF, TCG, and Smart Card Alliance.

Online identities secured only by static passwords can be exploited,

resulting in identity theft or compromised systems. Existing two-factor authentication approaches, while more effective, are often expensive and complex, and their lack of interoperability poses significant barriers to adoption. VeriSign hopes that OATH, an industry-wide collaborative effort to promote Open Strong Authentication, will remove these barriers and broaden enterprises' use of the Internet to communicate, collaborate, and conduct commerce in new ways.

"As we've seen with personal computers, networking, and other advances, ubiquitous adoption of any technology accelerates with a fundamental shift from proprietary to open architecture," said Stratton Scavos, VeriSign Chairman and CEO. "An Open Strong Authentication architecture such as OATH will be a key enabler and accelerator of secure communications and commerce. Customers demand choice, flexibility, and investment protection. [OATH] supplies the missing pieces and sets forth a path the industry can take to offer enterprises a multitude of affordable solutions that can be deployed with unprecedented ease and scale." ■

## Liberty Alliance Releases Mobile Business Guidelines

The Liberty Alliance Project – an industry consortium focused on federated network identity – has released its second business guideline document. This white paper outlines near-term market opportunities and business requirements for federated identity in the mobile market. The document (available online at <http://www.projectliberty.org>) examines how mobile operators, equipment providers, content and service providers as well as vendors and users can take advantage of the growth and demand for mobile services, and in turn, how Liberty's open standard can enable secure delivery of Web services.

"Federated identity has the potential to bring mobile networks and personalized services to the next level," said Paola Tonelli, member of the Liberty Alliance management board and senior director of industry advocacy at Vodafone. "However, federated identity is about more than just technology. The best practices and business guidelines that Liberty is delivering can help companies overcome some of the more complex challenges associated with federated identity deployments, such as privacy and security issues."

The mobile business guidelines, a Tier 2 document in Liberty's evolving library of business guidelines for federated identity deployment, expands on Liberty's Tier 1 overview delivered July 2003. Additional Tier 2 guidelines are in development with expected delivery later this year. ■

## Radiant Logic Partners with Abridgean, ASG, and TimesTen

A counter-trend to the merger and acquisition activity in the identity arena is the formation of strategic partnerships to provide more comprehensive solutions. Radiant Logic announced three partnerships designed to leverage their virtual directory and directory application integration technologies. To address performance issues often encountered in identity stores under the load of identity management, they partnered with TimesTen, a provider of infrastructure software for real-time applications. The combination is intended to address the problem

that while LDAP enterprise directories scale well for read access, they often struggle to handle the update volume required by identity management applications. According to the companies, their benchmark studies indicate that the combination of RadiantOne and TimesTen outperforms traditional directory servers, with a 660% increase in update throughput while providing the ease of data integration that virtual directories can provide.

The partnership with Abridgean, a provider of user management and provisioning solutions, is designed to deliver a more complete

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## ID Analytics to Enter UK Market

**I**D Analytics, provider of identity risk management technologies, products, and services to over half the credit and retail card market in the US, as well as wireless and online consumer finance companies, announced it is entering the UK market. The U.K. government estimates that identity fraud costs the U.K. at least £1.3 billion (U.S.\$2.3 billion) a year. The U.K. Home Office estimates that a victim of identity fraud spends an average of 300 hours to reverse related damages. The U.K. Credit Industry's Fraud Prevention Service (CIFAS), which reports over 100,000 cases of identity fraud per year, describes identity fraud as the leading type of fraud in the U.K.

ID Analytics has begun work on its United Kingdom National Study on Identity Fraud, a research initiative similar to the one the company completed in the United States last September (Findings from the U.S. study are available at [http://www.idanalytics.com/news\\_and\\_events/20030923.html](http://www.idanalytics.com/news_and_events/20030923.html).) As part of this expansion, ID Analytics is co-investing with ten leading U.K.-based companies to perform the study.

Since its inception, ID Analytics has provided U.S.-based consumer companies in multiple industries with advanced technologies to proactively prevent identity fraud and manage identity fraud risk at the point of application. ID Analytics will now offer its solutions globally, beginning in Europe. 'Identity fraud is on the rise in Europe and is often difficult to detect due to the growing sophistication of criminals,' said Ken Morton, VP & GM for ID Analytics Europe. 'The comprehensive research findings and client results already achieved in the U.S. give us a great start in tackling identity fraud in Europe. This study will deliver an unprecedented understanding of U.K. identity fraud, providing companies across Europe with a clearer picture of how to authenticate legitimate customers and pinpoint potential fraud.' ■

## Sony Updates "Puppy" Fingerprint Token

**S**ony Electronics announced the FIU-810 Puppy Fingerprint Identity Token, a new type of device designed to serve as the basic building block for a comprehensive identity management platform will ship in late spring with a \$169.99 MSRP. The culmination of more than eight years of research and development, the FIU-810 identity token is a highly portable single-user unit that builds on innovations like onboard fingerprint matching and storage by adding digital certificate capabilities and the utility of USB flash storage. The result adds up to more than a sophisticated security device. When used in conjunction with popular, off-the-shelf software and applications, the FIU-810 token meets the needs of an evolving workplace that operates anywhere, anytime.

"Rather than just advance conventional security functions developed in the context of the traditional office, this product breaks new ground by also addressing emerging needs for streamlining workflow in a convenient form factor for the new mobile workstyle," said Joseph Stinziano, vice president of Sony Electronics' Media and Applications Solutions Division. The FIU-810's digital certificate capabilities and flash storage features are two key features designed to address the needs of today's expanding, highly mobile workforce. With the arrival of "keychain" storage devices, employees carry crucial data wherever they go. Rather than lug laptops, they carry files that can be manipulated on any computer. The convenience of such consumer products is weighed down by the enormous exposure they bring when lost or stolen. The FIU-810 device's storage is just as easy to use, but adds a strong layer of fingerprint-based security.



The FIU-810 supports RSA key pair generation up to 2048-bit and is compatible with most popular certificate authorities. Once keys are generated and certificates received, the FIPS 140-2 Level 2-compliant token interoperates with a wide range of off-the-shelf applications. Because the FIU-810 unit uses standard USB drivers and fingerprint authentication is done internally, files can be accessed cross-platform on Windows 2000/XP, Mac OS X and Linux-based PC's without the need for additional drivers. ■

identity management solution by combining user management and provisioning with the virtual directory's data integration capability. Dieter Schuller, Radiant Logic VP of Sales and Business Development said, "This partnership allows our customers to improve security and reduce administration costs by deploying flexible identity administration and automated user management built on an open, unified, identity platform."

The strategic alliance with enterprise software and professional services provider ASG is designed to extend ASG's Security

Management product family by providing customers with a flexible and comprehensive identity infrastructure solution designed to accelerate the deployment of identity management initiatives. "Customers deploying identity management can now have access to the robust organizational Security Management solutions that ASG offers," said Radiant Logic CEO Michel Prompt. "Our partnership with ASG creates a synergistic solution in which customers may leverage the strengths of a broad range of identity management solutions." ■