PKI International Scan

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February 29, 2004°

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Introduction

This report represents ongoing research conducted by the Government of Canada (GoC) PKI Secretariat to keep abreast of developments in secure electronic transactions and service delivery. The primary focus is on how federal governments are addressing the requirement to ensure a trusted environment to enable electronic delivery of services to the public. The document is compiled using information gathered from web sites, news reports, presentations from visiting delegations, and ongoing information exchanges with internal and external parties. Since most of the research has been compiled through secondary sources, the information in this document reflects how the profiled organizations present their situation, rather than a detailed and vetted analysis of actual progress. Also, due to the rapid pace of change in this area, new developments are happening all the time. The report should not be considered a final report, but rather an evolving source of compiled information for reference purposes.

Global/Multi-nation Activities

European Data Protection Supervisor to Start its Operations Shortly[1]

The European Commission has accepted to put in place the European Data Protection Supervisor (EDPS). It will be an independent supervisory body entrusted with monitoring the processing of personal data carried out by EU institutions and applying the provisions of relevant EU legislation.

European Commission Unveils Proposal for Biometric Passports[2]

The European Commission adopted a proposal for a Regulation on standards for security features and biometrics in EU citizens' passports. According to this proposal, future passports issued by EU Member States should contain only one mandatory biometric identifier, the holder's facial image. Fingerprints or other features could be added at the discretion of individual Member States.

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[1] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2115

[2] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2171

EU Visa Information System Gets Go-Ahead[3]

The European Justice and Home Affairs Council adopted conclusions on the architecture, functionalities and biometric identifiers to be included in the future European visa system. The EU-wide project is aimed at improving the administration of the common visa policy and preventing visa fraud. It will provide the guidelines necessary for programming the development of the Visa Information System (VIS) and serve as a basis for the Commission to draft a regulation on the VIS.

Africa (Continent of)

No new item to report.

Argentina

No new item to report.

Austria

Austria Adopts ID Law[4]

The Austrian Parliament has approved new law covering ID tokens for online services. Some of the elements of the law covering a citizen card are to become effective on March 1, 2004, with the rest due to come into operation on January 1, 2005. The citizen card could be designed as a chip to be contained in mobile phones, debit or credit cards. In contrast to the UK, the ID system is to be used only for doing business with the Government online rather than as a method of proving identity when contacting public authorities in person. Critics of the legislation have raised two major objections relating to the costs of the card and data protection.

Australia

No new item to report.

Belgium

No new item to report.

Bermuda

No new item to report.

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[3] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2186
[4] http://www.kablenet.com/kd.nsf/Frontpage/AB428434681467ED80256E300039B1A0?OpenDocument; CIOB News 2004-02-05

Bosnia-Herzegovina

No new item to report.

Brazil

No new item to report.

Bulgaria

No new item to report.

Canada

Airports Eye Iris Scanners[5]

An iris scanner, will be used at the Calgary airport to speed frequent travellers through customs. The scanner is part of the Canpass program, intended for people who are low security risks. A camera would photograph the eye and compare it to information obtained earlier from applicants. The iris scanner is already in place in the Vancouver and Halifax airports.

U of Ottawa Creates Tools to Monitor Privacy Violations[6]

As more organizations connected to health care make the move to digital records, Canadians have more potential privacy invasions to worry about. That shift, along with the recently enacted privacy legislation governing small and medium-sized businesses as well as health-care organizations is the driving force behind a research project at the University of Ottawa. In fact, researchers are working on developing algorithms that can automatically enforce health-care privacy policies in e-mail, using data mining and machine learning.

Canada Badly Needs a National Standard[7]

The costs associated with privacy protection have long been a source of considerable debate. Ontario's Privacy Commissioner Ann Cavoukian and the Toronto Star's Tyler Hamilton wrote in *Privacy Payoff,* that good privacy practices are actually good for business. Cavoukian has argued that maintaining a federal privacy law was essential since the provincial mish-mash of laws that would fill the void would create uncertainty and costs for the business and privacy communities. However, some remain unconvinced arguing that the federal government's Personal Information Protection and Electronic Documents Act (PIPEDA) is a costly endeavour that was passed before it was

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[5] http://www.globetechnology.com/servlet/story/RTGAM.20040217.gtiris0217/BNStory/Technology/
[6] http://www.itbusiness.ca/index.asp?theaction=61&sid=54693#

[7]http://www.torontostar.ca/NASApp/cs/ContentServer?pagename=thestar/Layout/Article_Type1&call_pageid=971358637177&c=Article&cid=1075677008515; CIOB News 2004-02-02

ready; without sufficient public debate and committee work.

Canada, U.S. Launch Talks on Sharing Citizen Data [8]

The U.S. and Canadian governments have started formal negotiations over whether Canada will provide private information on its citizens for U.S. terrorist watch lists and aviation security programs. Homeland Security Department Secretary Tom Ridge said an agreement is "by no means automatic" and will require "lengthy" negotiations, given the differences in the laws of both countries. "There may be limitations based on sovereign law," Ridge told reporters. "We're mindful of both, and to the extent that we can collaborate consistent with our constitutional laws, we do. When one law differs from the other, then obviously we have to find another way, and perhaps another area, to collaborate."

Canada Struggles With Its e-Government Middleware Infrastructure [9]

A report by the Auditor General of Canada warns that the country's Government On-Line programme could become an expensive and underused initiative unless many obstacles are overcome. These obstacles include the implementation, long-term financing and take-up of the "Secure Channel", the government-wide middle-tier infrastructure. Canada enjoys an enviable worldwide reputation for Government On-Line; However, two-thirds of the project's six-year timeframe has elapsed, and some of the most difficult tasks remain.

Internet Telephones Get Cool Reception in Poll: Privacy Among Top Concerns [10]

According to Pollara Inc.'s survey, only 7% of Canadian Internet users would purchase a service that would let them make telephone calls using their high-speed Internet connections. However, 50% of the 787 respondents cited one or more concerns about the technology, also known as Voice over Internet Protocol, or VoIP. The top worry was that unwelcome eavesdroppers may have the ability to "hack" into voice conversations conducted over the Internet. Pollara president said customer worries about security suggest that people are getting used to the idea that the Internet is not 100% secure.

Elections Canada not Keen on Online Voting [11]

An Internet company is hailing online voting as the electoral wave of the future. However, Elections Canada and a political observer are more skeptical, saying questions about security and frauds still have to be solved. A report on a pilot project conducted in Markham, Ont., during November's municipal election says online voting was a success, since the advance poll increased by 300 per cent. Moreover, one hundred per cent of those that voted online said they would be likely to vote online in the future.

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[8] http://www.govexec.com/dailyfed/0104/013004c1.htm; CIOB News 2004-02-02
[9] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2146
[10] http://intranet/tbnews/stories/2004/20040216i0243.htm
[11] http://www.ctv.ca/servlet/ArticleNews/story/CTVNews/1075826497464_71235697///?hub=SciTech; CIOB News 2004-02-05

Création d'un Centre de Ressource s de Cyber-Sécurité [12]

Selon un récent sondage de l'Alliance canadienne des technologies avancées - CATA, la sécurité en ligne est une source d'inquiétude pour plus de 80% des entreprises répondantes avec, en tête, la sécurité des informations et la protection contre tout accès non autorisé aux données. En guise de réponse à cette problématique, le CATA a créé un Centre de ressources de Cyber-sécurité (CSRC). Le centre est conçu pour améliorer la sécurité nationale en soulignant les menaces qui pèsent sur l'infrastructure de l'information au Canada. Pour appuyer cette initiative, le Centre publiera des rapports mensuels et annuels traitant des menaces, incidents et ressources disponibles pour améliorer la gestion des cyber-menaces.

Manitoba: Public Input Sought for Review of Legislation on Privacy and Access[13]

The Manitoba government is looking for public input on two laws - the Personal Health Information Act (PHIA) and the Freedom of Information and Protection of Privacy Act (FIPPA) - that protect personal information, including personal health information, and define rights of access to records. PHIA was passed in 1997 to protect personal health information and applies to health care providers, institutions such as hospitals, and public bodies such as provincial and municipal government departments. FIPPA replaced the Freedom of Information Act in 1998. The act strengthened privacy provisions and extended the legislation to include other public bodies such as municipalities and school divisions.

Québec : Lancement du bulletin électronique du gouvernement en ligne[14]

Le Sous-secrétariat à l'inforoute gouvernementale et aux ressources informationnelles (SSIGRI) annonce la publication d'un bulletin électronique du gouvernement en ligne. L'objectif de l'initiative est de faire connaître auprès des citoyens, des entreprises ainsi que de la communauté gouvernementale, les nouvelles réalisations des ministères et organismes dans le cadre de l'initiative du gouvernement en ligne.

Chile

No new item to report.

China

No new item to report.

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[12] http://benefice-net.branchez -vous.com/nouvelles/04-02/08-153306.html

[13] http://www.gov.mb.ca/chc/press/top/2004/02/2004-02-09-01.html

[14] **http://benefice-net.branchez-vous.com/nouvelles/04-02/08-154704.html**

Denmark

Danish Government Adopts Universal Business Language for e-Procurement[15]

Denmark has become the first country to adopt the Universal Business Language (UBL) as a standard for electronic commerce in the public sector. The Danish e-procurement portal is the result of a joint effort by the country's public and private sector. Although the portal is accessible to both private and public purchasers, its functionality, interface, security and transaction costs are regulated by the public sector. The portal, which was fully financed by the private sector, operates according to a "pay per transaction" model.

All Eyes on Denmark[16]

People in Denmark could soon be the first in the world to carry biometric passports that meet global industry standards. Indeed, Denmark has awarded a contract for the production of 3m biometric passports that meet the latest specifications of the International Civil Aviation Organization (ICAO). It is hoped that this initiative will also enable Denmark to meet strict US visa waiver requirements. Criteria for the passports, as set out by the Government, included effective security features, durability and machine readability.

Finland

Finland: First e-Service by Social Insurance Institution[17]

The Social Insurance Institution of Finland has introduced its first e-service over the Internet. With the new service, students can find out information about their own student allowances. The users can register in the service utilising their user IDs and passwords for Internet banking services. In the near future, students can send their applications to the Social Insurance Institution in electronic format.

France

Projet ADELE : pour vous simplifier la vie ! [18]

À travers le projet ADELE, « ADministration ELEctronique 2004/2007 - ADELE pour vous simplifier la vie », le Gouvernement français projette de faire de l'administration électronique un levier majeur de la réforme de l'Etat et une priorité du Gouvernement d'ici l'an 2006. À cette échéance, l'ensemble des démarches administratives public / particuliers devraient être accomplies à distance par téléphone ou par Internet.

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[15] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2107
[16] http://www.kablenet.com/kd.nsf/Frontpage/D147FA794A319BC080256E3D0041F1B7?OpenDocument
[17] http://www.e.finland.fi/netcomm/news/showarticle.asp?intNWSAID=20902; CIOB News 2004-02-05
[18] . http://www.internet.gouv.fr/rubrique.php3?id_rubrique=360; CIOB News 2004-02-09

Germany

Germany Launches Pilot of Iris Scan-Based Border Control System[19]

The German Government kicked off a new biometric border control system based on iris scanning at the Frankfurt airport, where a six months pilot project will be run. Iris recognition systems are generally believed to be the most reliable biometric indicator at the current stage of technological development. In October 2003, Germany's Federal Information Security Agency (BSI) released a detailed study on the characteristics and performances of face recognition systems, which raised doubts about the possibility to deploy the technology for large-scale identification and border control systems.

Hungary

No new item to report

India

Export / Import Forms Go Online [20]

In a major initiative on the Electronic Data Interchange (EDI) front to boost exports, a digital signature and electronic fund transfer facility has been launched. It will enable the exporters to submit online import/export applications in the offices of Directorate General of Foreign trade (DGFT). DGFT has partnered with Safescrypt, a licensed certifying authority, to provide technical and related support for integration of the Public Key Infrastructure (PKI) and encryption technology to its EDI network.

Ireland

Ireland Launches Information Campaign Ahead of Nationwide Rollout of Electronic Voting [21]

Ireland is touted as having adopted a cautious and sensible approach to the introduction of electronic voting and counting. The Irish Minister for the Environment, Heritage & Local Government, Martin Cullen, commented, "Having secured a trustworthy system and verified and validated its ability to store and count votes securely, it is now time to move on". Outlining the benefits of the new system, based on the experience of the pilots, four-straightforward benefits have emerged: it's easier; it's more efficient; it improves electoral accuracy and administration; and it eliminates the democratic wastage associated with spoiled votes.

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[19] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2173

[20] http://www.ciol.com/content/news/2004/104013011.asp; CIOB News 2004-02-02
[21] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2129

Israel

No new item to report

Italy

IT – Validity of e- Mail as Evidence[22]

The Court of Cuneo ordered a company to fulfil its obligations to another company on the basis of a claim proven with e-mail communications.   The order is interesting as it represents one of the few precedents in relation to the issue of the validity of e-mails as evidence in Court. An e-mail may have the same validity as a written document when it is linked to the sender through information authentication tools. The Judge of Cuneo held that the use of authentication credentials such as a user ID and password to access the e-mail account represents a valid means of adducing evidence on the origin of the message. Therefore, the Judge held that the e-mails had the same validity as written documents and admitted them as trial evidence.

Japan

No new item to report.

Kenya

No new item to report.

Korea

No new item to report.

Malaysia

No new item to report.

Mexico

No new item to report.

Netherlands (the)

No new item to report.

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[22] http://punto-informatico.it/p.asp?i=46663

New Zealand

Kiwis Seek Secure e-Services[23]

The New Zealand Government is looking to develop more sophisticated ways of identifying people who access public services online. The State Services Commission (SCC), the body responsible for the country's e-government programme, has suggested that smart cards, biometrics and voice pattern identifying technology should be considered as alternatives to the existing methods of online authentication. The SCC has advocated the inclusion of the private sector in this initiative. The New Zealand Government is scheduled to approve a business case for a new e-services authentication in March 2004.

Norway

No new item to report.

Pakistan

No new item to report.

Poland

No new item to report.

Russia

No new item to report.

Singapore

No new item to report.

Slovak Republic

No new item to report.

Slovenia (Republic of)

No new item to report.

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[23] http://www.kablenet.com/kd.nsf/Frontpage/CF1FC28D4D101C6580256E3500463DE6?OpenDocument

Spain

Spanish Government Officially Launches Electronic ID Cards[24]

The Spanish Council of Ministers approved the creation and distribution to Spanish citizens of new electronic national ID cards containing a biometric identifier. Among other things, the new card should provide secure identification and authentication for a wide range of online transactions, from e-government services to e-commerce and Internet banking.

Sweden

No new item to report.

Switzerland

No new item to report.

Thailand

No new item to report.

United Kingdom

UK Government Considers Dedicated Database for Electronic ID Cards[25]

The UK Government is moving away from plans to use existing passport and driving licence databases as a basis for the proposed national ID card. Instead, the Government will build a new, dedicated database to support the project. Initial reactions to the Government's decision underscored its potential redundancy and additional costs given the likely cost and the record of large government IT projects.

Government Introduces Common Standard XML IT Language for UK Public Sector[26]

The Office of Government Commerce has announced the successful completion of its recently launched 'Proof of Concept' XML assessment trials. 'Order' and 'Invoice' messages were successfully exchanged electronically between the Trial's trading partners, who included UK central and local government bodies, as well as current government suppliers.

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[24] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2154

[25] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2147

[26] http://www.publictechnology.net/modules.php?op=modload&name=News&file=article&sid=550; CIOB News 2004-02-04

Sheep to Get Electronic Identification and Data Transfer[27]

e-Government isn't just for people - sheep are included too. Department for Environment Food and Rural Affairs - DEFRA has awarded a contract to an independent evaluators to conduct a trial of electronic identification (EID) and electronic data transfer (EDT) within the English sheep industry. Around 70,000 sheep will be electronically identified using a range of ear tags and boluses. In addition, use of EID and EDT will be examined and tested in a small number of markets and abattoirs at key stages during the sheep production cycle.

Improved Version of the UK Government Secure Intranet Launched[28]

The UK Government has launched an upgraded version of its Secure Intranet (GSI), which objective is to allow for quick, easy and secure electronic communications across the public sector. The new intranet went live on 5 February 2004, linking over 280,000 users in central and local government. Meant to become a central infrastructure for e-government countrywide, the new GSI may ultimately link a million users should it be extended to organisations such as the National Health Service and the Ministry of Defence.

United States

US e-Votes Could Be More Trouble[29]

Thousands of Americans who go to the polls will vote using computers instead of casting paper ballots, but experts warn the high-tech systems could cause more problems than they solve. They argue that the computers - which leave no paper record of ballots - have gaping holes in their security that would allow hackers to tamper with or alter the vote count. Forbes magazine called paperless voting a "worst technology" of 2003 and three bills are before Congress to stop it.

SBA, OMB, GSA and DOD Work Together to Integrate Pro-Net and CCR Database to Simplify Contracting Process for Small Businesses[30]

The U.S. Small Business Office of Management and Budget and the General Services Administration are taking steps to simplify the federal contracting process by creating an integrated database of small businesses that want to do business with the government. The integration of the existing Pro-Net and Department of Defence's Central Contractor Registration (CCR) databases will create one portal for entering and searching small business sources and will assist small businesses with marketing their goods and services to the federal government.

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[27] http://www.publictechnology.net/modules.php?op=modload&name=News&file=article&sid=549; CIOB News 2004-02-04

[28] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2136

[29] http://australianit.news.com.au/articles/0,7204,8560712%5E15322%5E%5Enbv%5E,00.html; CIOB News 2004-02-02

[30] http://www.whitehouse.gov/omb/egov/press/press.htm; CIOB News 2004-02-04

Adoption Dilemma[31]

The dark side of e-government isn't cost overruns, turf battles or integration issues; it's low adoption rates. Without customers, the public sector can't justify large investments in e-government for much longer. Utah has long been considered one of the country's leaders in digital government providing more than 150 services online including the Centre for Digital Government's "Best of the Web" award in 2003. For all its digital government successes, Utah has one big problem: Citizens and businesses aren't exactly beating down the door to shift to the digital channel.

Pentagon Cancels Internet Voting System[32]

Citing security concerns, the Pentagon has cancelled Internet voting that would have involved as many as 100,000 military and overseas citizens from seven states in November. The announcement comes two weeks after outside security experts urged the program's cancellation in a scathing report. They said hackers or terrorists could penetrate the system and change votes or gather information about users. The official said alternative-voting systems would now be considered, possibly using the Internet as well. The official could not say when, if ever, such a system would be ready.

NASCIO Puts Out Privacy Guide[33]

The National Association of State Chief Information Officers - NASCIO released a guide to help states create privacy policies that comply with the law. The guide, "Information Privacy: A Spotlight on Key Issues", focuses on the most common information held by states, including children's information, driver's information, educational information and health information. It also highlights the issues that must be taken into consideration when it comes to Web site privacy policies and government data matching and sharing. In each privacy area, the committee gathered the pertinent federal and state laws and outlined the top concerns, possible measures to address those concerns, and available resources and best practices.

Keys to Security[34]

After developing the world's largest system to enable secure communications and business transactions within their networks, the Department of Defence's public key infrastructure (PKI) program is tackling some of the usability problems that have hampered the technology's effectiveness in the military and slowed its spread through the private sector. Since committing itself in the late 1990s to creation of a PKI, the Department and its Agencies have issued some 6 million PKI certificates.

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[31] http://www.public-cio.com/story.php?id=2004.02.03-87088
[32] http://customwire.ap.org/dynamic/stories/I/INTERNET_VOTING?SITE=NYROM&SECTION=HOME&TEMPLATE=DEFAULT; CIOB News 2004-02-05
[33] http://www.fcw.com/geb/articles/2004/0202/web-nascio-02-06-04.asp; CIOB News 2004-02-09
[34] http://www.mit-kmi.com/articles.cfm?DocID=385

DigiStamp Complains About Electronic Postmark[35]

A formal complaint filed with the Postal Rate Commission says the U.S. Postal Service is using its Electronic Postmark program to compete unfairly against small businesses that offer a similar Internet service for verifying the authenticity of digital documents. In the complaint, it said that USPS violated its charter by not seeking prior approval from the Postal Rate Commission before offering the Electronic Postmark service.

Venezuela

No new item to report.

Viet Nam

No new item to report.

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[35] http://www.fcw.com/fcw/articles/2004/0223/web-usps-02-27-04.asp

Miscellaneous

Evidence Mounts For Use of e-Discovery in Legal System[36]

As more business documents are put into electronic form, ''e-discovery'' will play a growing role in court cases. The process of seeking evidence in electronic data is raising concerns across the legal system, including its effect on the cost of litigation, privacy issues and the implications of fast-changing technology. The role of e-mail messages in high-profile American lawsuits such as the U.S. Justice Department's antitrust case against Microsoft Corp. has helped draw attention to the issue. In Canada, many lawyers have been uncomfortable with e-discovery until recently, while most commercial lawsuits involve some electronic evidence.

The Changing Role of the Citizen in the e-Governance & e-Democracy Equation [37]

Electronic governance is a growing and expanding phenomenon within public sector institutions around the world and is emerging as a significant discipline within the field of public administration. E-governance differs from e-government. E-government constitutes the way public sector institutions use technology to apply public administration principles and conduct the business of government. E-governance includes the vision, strategies, planning, leadership and resources needed to carry this out. Included within the concept of e-governance is e-democracy, which deals with how the citizen interacts with government or influences the legislative or public sector process. e-Democracy seeks to engage the citizen with governments and legislatures through the use of the new information and communication technologies (ICT).

VeriSign Releases Internet Security Intelligence Briefing Reporting Year-End Trends in Internet Usage, Security, and Fraud[38]

This quarter's briefing displays clear and dramatic growth in secure online commerce while also revealing alarming trends in increased online fraud and identity theft. Among the briefing's salient findings are: (1) Online commerce volume increased by 59 percent during the 2003 holiday shopping season, while at the same time merchants rejected approximately 7 percent of overall transactions as "too risky." (2) The average Internet transaction during the 2003 holiday shopping season increased 14 percent compared to the 2002 holiday shopping season. (3) Indonesia ranked number one among the world's nations by percentage of fraud per transaction, followed by Nigeria, Pakistan, Ghana and Israel. (4) The United States led all countries in total volume of fraud, and remained the largest provider of e-commerce in the world. (5) Between November 1, 2003 and December 31, 2003, VeriSign processed $6.4 billion in online sales compared with $4 billion during the same period in 2002.

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[36] http://www.globetechnology.com/servlet/story/RTGAM.20040202.wxedis02/BNStory/Technology/); CIOB News 2004-02-02
[37] http://www.rileyis.com/report/; CIOB News 2004-02-03
[38] http://www.verisign.com/corporate/news/2004/pr_20040209.html

Entrust Announces Advanced Security for Adobe® Acrobat® 6.0 Software[39]

Entrust, Inc. a world leader in securing digital identities and information, announced enhancements to the Entrust Intelligence Verification Plug-In. This initiative will improve the ability for any Federal government agencies, business partners and other customers to verify the origin and integrity of high-value Portable Document Format (PDF) files signed by another agency. These capabilities can help to bind the user to, and protect the privacy of, information.

PKI's Alive and Kicking[40]

There are several ways to measure the growth of the Internet. One of them is digital certificates vs. the public key infrastructure, or PKI. Over the past few years, fortunes have been made and lost--mostly lost--in the PKI markets, and experts are sharply divided about the health of the industry. On the one hand, many of the hardest problems associated with PKI are being cleanly solved by persistent and/or innovative vendors. On the other hand, historically common failures have left many information technology organizations with a bad taste in their mouths, and user adoption continues to lag.

Behind the Screen[41]

Security is a part of digital architecture. The challenges of integrating identity management with other applications are significant because it requires competing vendors to work together and share sometimes-proprietary solutions. This is almost never successfully done, which is why users complain that they have too many user IDs and passwords. There is no one solution to this conundrum. However, today's government portal might consist of three parameters (1) to determine who gets in; (2) to direct users to areas appropriate to their needs; and (3) to restrict outside users from accessing particular database. A good "Identity Management" infrastructure or Information Directory allows an organization to proactively create a life cycle that defines user access from start to finish.

UNESCO Outlines Principles of Effective Freedom of Information Legislation[42]

According to a UNESCO study, legislation ensuring right of access to information held by public bodies has flourished across the world in the last 10 years, partly due to the emergence of the Internet as a new dissemination and access channel. The study of freedom of information (FOI) laws that examines international standards and trends pointed out that the right to freedom of information, commonly understood as the right to access information held by public bodies, is now widely recognized as a fundamental human right. UNESCO reports a global trend towards legal recognition of this right as countries around the world either have adopted FOI laws, or are in the process of adopting or amending relevant legislation.

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[39] http://www.entrust.com/news/2004/archive2004_02_03_04.htm?entsrc=verification_theme_pr

[40] http://news.com.com/2010-7355-5161272.html
[41] http://www.public-cio.com/story.php?id=2004.02.03-87284
[42] http://europa.eu.int/ISPO/ida/jsps/dsp_showDocument.jsp?printerVersion=1&documentID=2128

OASIS SAML Interoperability Event Demonstrates Single Sign-On at RSA Conference.[43]

OASIS has announced that several vendors will team with the U.S. General Service Administration E-Gov E-Authentication Initiative to demonstrate interoperability of the Security Assertion Markup Language (SAML). In version 1.1 the latter is an OASIS authentication and authorization standard based upon an XML framework for exchanging security information. This security information is expressed in the form of assertions about subjects, where a subject is an entity (either human or computer) that has an identity in some security domain. A typical example of a subject is a person, identified by his or her email address in a particular Internet DNS domain. One major design goal for SAML is Single Sign-On (SSO), the ability of a user to authenticate in one domain and use resources in other domains without re-authenticating."

IBM Unveils Data Retention System[44]

IBM Corp. announced the launch of a new system designed to help enterprises comply with regulations such as Canada's Personal Information Protection and Electronic Documents Act (PIPEDA) and the Sarbanes-Oxley Act in the U.S. Total Storage Data Retention 450 is touted as an all-in-one device that combines server, storage and software retention components into a single, securable cabinet.

The primary source for the information contained in this document is the Internet – most articles are footnoted with links to source documents on various web sites. The reader is reminded that much of the information on Internet news sites is transitory and may only exist on a site for a short period of time. Readers wishing to maintain copies of the source information are encouraged to capture the text in a word processing application. Where possible, the date that an article appeared on a web site is provided following the link. Please do not report "broken links".

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[43] http://xml.coverpages.org/ni2004-02-19-a.html
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