



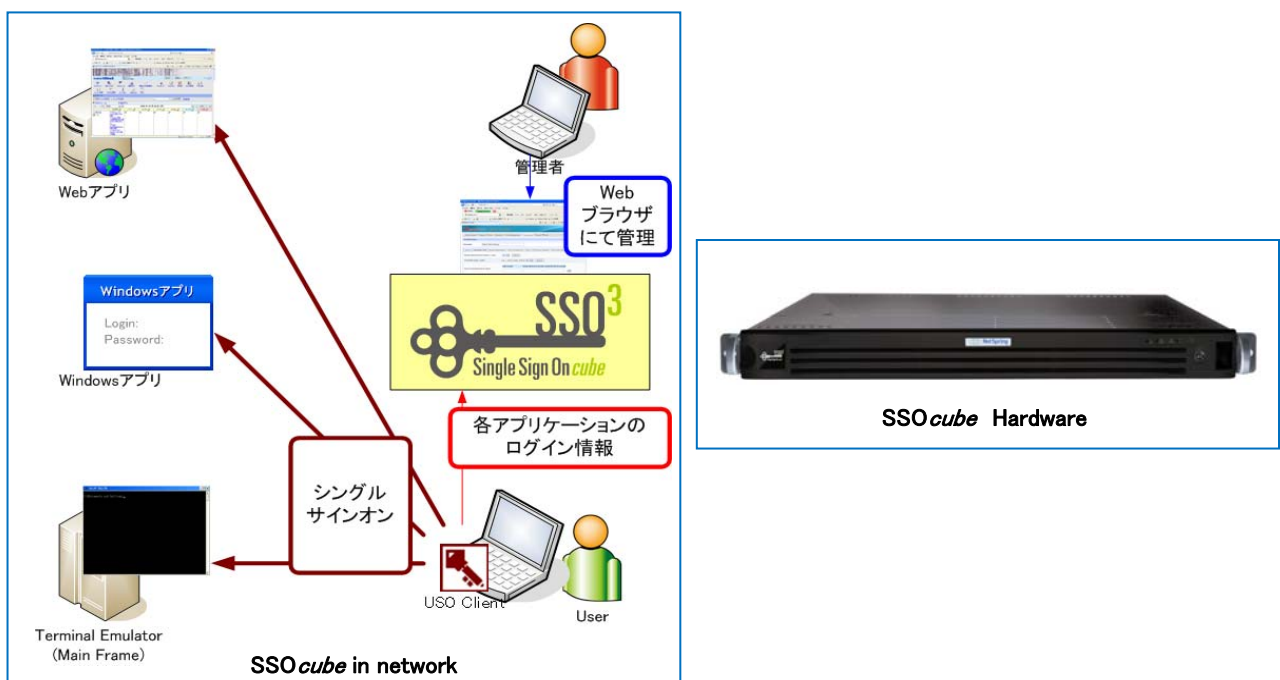
## Press Release

### NetSpring introduces new Non-Intrusive Enterprise Single Sign-on Appliance "SSOcube" SSO Appliance Product Debut

Tokyo, Japan – November 25, 2009 - **NetSpring**, headquartered in Minato-ku, Tokyo, (President & CEO: Susumu Nishitake) today announced the launch of an appliance-based single sign-on product "SSOcube". The price starts at 2.2 million Japanese yen (excluding consumption tax), and is scheduled to be available for shipment by February, 2010. The product will be sold through existing Partners and systems integrators. It is targeted at medium size enterprises, departmental use, affiliates and subsidiaries of large enterprises, public organizations and universities. Initial target for the first year of introduction is 50 units.

Existing ESSO products already available in the market, are usually software based and requires extensive and intensive technical resources for implementation. SSOcube eliminates the need for complex operational procedures and offers an effective and simple way of addressing such business issues.

All the necessary software functionalities and administration functionalities are packaged within the hardware that is pre-tested and hardened in an all-in-one product. This approach makes it easy to deploy ESSO for medium size enterprises, departmental use, affiliates and subsidiaries of large enterprises, and factories and remote branches. SSOcube was developed to meet increasing demands for an increasingly sophisticated and security aware Japan market.

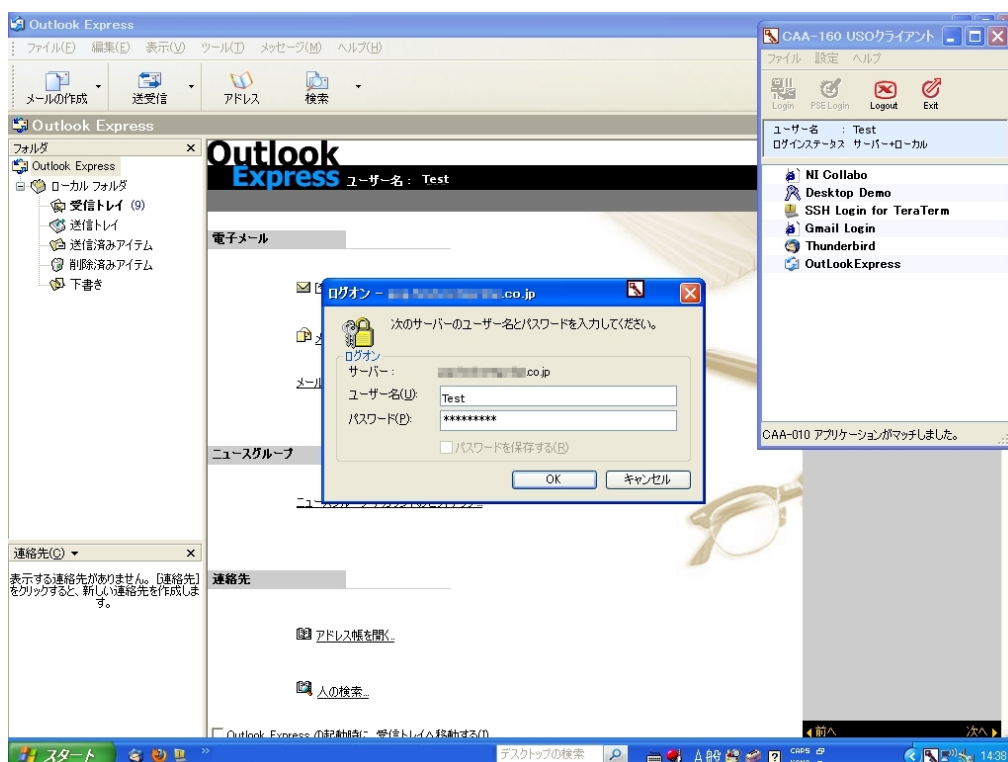


## SSO Functionality (Universal SSO: Non-Intrusive Representation Input Method)

SSOcube provides the ESSO functionality not only for Web applications, but also for various types of applications including terminal emulator for mainframes that work on a Windows client machine. Many SSO software products support Web applications only, by providing application programming interfaces (API) that enables customization for the SSO functionality. As such, Web-SSO products require custom development which can increase complexity of implementation and support.

Whereas, SSOcube automates the presentation of IDs and passwords, and it also does not require source code changes of target applications. The agent software that communicates with SSOcube recognizes various login screens on the PC and it then enters the user IDs and passwords automatically. By this mechanism, ESSO can be achieved, and can be readily applied to many applications. Thus, SSOcube provides ESSO not only for Web applications, but also for other types of C/S applications that run on Windows, including Lotus Notes, Acrobat Connect, ERP applications, and terminal emulators for IBM and Fujitsu and other mainframe servers.

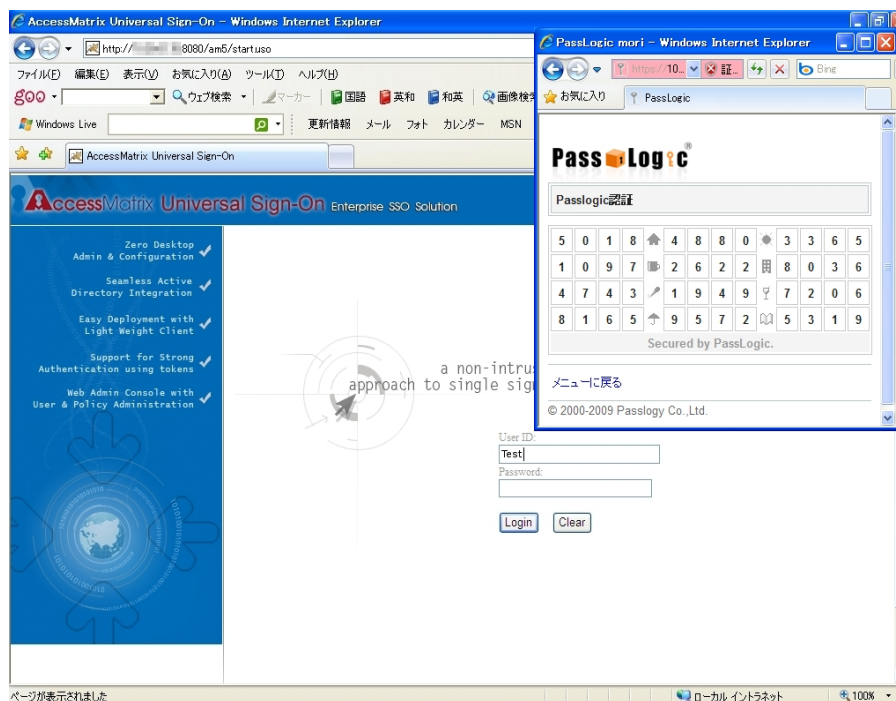
Screen transformation for each target application must first be 'trained', and this enables ESSO for various applications. Configuration files for many different applications and training related information will be available from NetSpring's website. End-User customers can take advantage of this resource for rapid deployment.



## Enhanced ESSO Security (Software One-Time-Password: Matrix Authentication Mechanism Embedded)

ESSO products are also vulnerable to threats if the master login ID and password are stolen. To

mitigate this issue, *SSOcube* offers enhanced Second-Factor Authentication security. It employs a one-time-password (OTP) mechanism which is represented by an OTP made up of numbers arranged according to a pre-configured pattern, derived from a matrix that is displayed on the screen (challenge). The numbers displayed in the matrix are changed at every authentication session. The end user will only be authenticated when the correct information is supplied. The matrix pattern generates dynamic challenge numbers (random numbers), and it is considered more secure than static passwords. This can mitigate the risk of password leakage in using ESSO. This feature is available as a standard function in *SSOcube*, and can be used with the ESSO function in *SSOcube* without additional cost. The challenge numbers in the matrix can also be obtained 'out-of-band', on a mobile phone. It further re-inforces the security of the ESSO function in *SSOcube*. This feature is also a standard option of *SSOcube*.



### All-in-One ESSO Functionality (SSO hub)

*SSOcube* offers all the necessary functionalities such as ESSO, strong matrix-based authentication, user account management and systems management. As a standalone ESSO box, it enables organizations to deploy SSO immediately. In order to mitigate security vulnerability, *SSOcube* adopts patent proven authentication technologies from i-Sprint, Passlogy, combined with server technologies from NetSpring.

- SSO functionality: AccessMatrix product suite (i-Sprint, headquartered in Singapore)
- Matrix authentication functionality: PassLogic (Passlogy, headquartered in Tokyo)
- Authentication server: AXIOLE (NetSpring, headquartered in Tokyo) subset version

By integrating the above three products, *SSOcube* is able to offer other various features related to ESSO. *SSOcube* will include features such as authentication by IC cards, smart cards, mobile

phones and biometrics and can serve as a SSO hub for the organization.

Additionally, *SSOCube* can leverage NetSpring's authentication server appliance, AXIOLE as an external user repository and provide ESSO functionality to NetSpring's authentication gateway product, FEREC.

With assistance from ID Networks (headquartered in Tokyo: <http://www.idnetworks.co.jp/>) with extensive technical expertise in AccessMatrix, NetSpring provides technical support not only for small to medium size enterprises using *SSOCube*, but also for large enterprise which requires systems integration.

<Other Features of *SSOCube*>

### **Easy deployment, easy management**

All the necessary functionalities for ESSO are already embedded in *SSOCube*. Users can rapidly deploy ESSO with minimal configuration without selection and/or assessment of ESSO functionalities. Configuration and management can be done through a web browser. Administrators do not have to install OS or special software on their PCs. Import and changes of user IDs and passwords can also be done through web browser. ID management, SSO, and matrix authentication are embedded all together in *SSOCube*. Processing backup of user data, configuration data and other systems data can also be done as part of the All-in-One package.

### **Strong-Authentication or 2FA server**

The matrix authentication mechanism available in *SSOCube* can be used instead of a password, however, it can also be added to enhance password authentication. It is possible to selectively set for each user account, if matrix authentication is needed. Additional authentication methods such as biometrics and smart cards also be supported on this platform.

### **Use of External User Repository**

*SSOCube* has a user repository (LDAP) to manage user account information for standalone use, however, it is also possible to point to the external LDAP authentication servers including NetSpring's AXIOLE and Microsoft's Active Directory.

### **Application Access Control**

*SSOCube* offers access control features for each application based on user / group.

### **Audit Trails / Logs**

*SSOCube* can generate report logs that details applications accessed and when. This audit feature together with application access control enables *SSOCube* to improve productivity and ease of use while enhancing IT controls and policies inside the organization.

**”100 – 1000” account Tiering models offers suitability of use by medium size company / departmental use**

*SSOcube* offers a family of 5 models, bundled from a 100 account user package up to 1000 account users capacities.

*SSOcube* website: <http://www.SSOcube.com/>

Message from CEO of i-Sprint Innovations Pte Ltd, Albert Ching:

“It is my great pleasure to hear about the launch of the *SSOcube* Appliance by NetSpring. It is also our honor for NetSpring to select our AccessMatrix USO and security technology to secure their *SSOcube* Appliance. The *SSOcube* development is a global collaboration and close partnership between NetSpring and i-Sprint in an effort to bring the best of breed security appliance solution to the Japan market. With the launch of the *SSOcube* Appliance, we can now introduce our proven Enterprise Class SSO solution to reach out to small and medium enterprises so that they can also enjoy the same security technology at a much lower total cost of ownership (TCO). We are confident that this same locally produced security appliance will be a big hit for the local market.”

Message from CTO of Passlogy Co., Ltd., Hironobu Sakai :

Passlogy truly welcomes NetSpring’s launch of “*SSOcube*”. Enterprises must be having a difficult time managing and maintaining the increasing applications such as groupware, webmail, CRM and so on while business operations are more segmented. As a solution for this problem, integration of the two technologies, Enterprise Single Sign-on provided by AccessMatrix USO and token free One-Time-Password provided by PassLogic, is the best combination to provide efficiency in business operations while assuring the security. “*SSOcube*” can reduce the initial cost and shorten the deployment time by using the best practice for designing and implementing the authentication server based on NetSpring’s experienced know-how with appliance products. Also, the web-based administration tool makes it easier for administrators to operate the system. All enterprises will realize the effect of their ICT investment by implementing *SSOcube*.

**SSO *cube* Product Family  
Product Specifications**

Product Name		SSO <i>cube</i>				
Software Spec.	Model Name	SSO <i>cube</i> 10	SSO <i>cube</i> 25	SSO <i>cube</i> 50	SSO <i>cube</i> 75	SSO <i>cube</i> 100
	Model Number	SSOC01-10	SSOC01-25	SSOC01-50	SSOC01-75	SSOC01-100
	Maximum Number of Users	100	250	500	750	1000
	Number of Mgmt Domains	1				
	Single Sign On Functionality	Non-Intrusive Representation Input Method				
	Authentication Method	(1) ID/Password				
		(2) PassLogic – One Time Password (Matrix Type Authentication)				
		(3) 2FA by combining (1) and (2)				
		3FA by combining Access List with (1) and (2)				
	Client OS	Windows XP SP3 or later / Vista SP2 or later / Windows7 (Planned)				
	Administration Interface	Management and configuration through Web UI				
	End-User Administration Interface	Management and configuration through Web UI				
	Logging and Reporting	View or download from Administration Web UI				
Output to syslog						
Hardware Spec.	HDD	HDD × 2 (RAID1)				
	Network Interface	10Base-T/100Base-TX/1000Base-T 4 ports (1port for remote maintenance)				
	Dimensions	437(W) X 43(H) X 503(D)mm				
	Weight	14.1kg				
	Power Supply	AC100~240V 50/60Hz				
	Power Consumption	150W				
	Hardware Requirement	Temperature: 10~35°C Humidity: 8~90% (No condensation)				
Others	Redundant Configuration	None (Cold standby spare hardware provided: ¥980,000)				
Price (Excluding Tax)	Product Price(JPY)	¥2,200,000	¥4,000,000	¥6,500,000	¥8,600,000	¥10,500,000
	Maintenance License Fee (JPY)	¥280,000	¥428,000	¥680,000	¥898,000	¥1,098,000

\* Product price includes software license and basic maintenance for the first year.

\* Maintenance License is required from the second year on. Maintenance price covers the send-back cost in case of hardware failure and includes the software license.

(Note) The above product specifications are subject to be changed without notice.



Secured by i-Sprint

**About i-Sprint Innovations Pte Ltd**

i-Sprint Innovations was founded in 2000 in Singapore by IT security professionals who have experiences working at a global bank for the areas of audit, compliance, and systems infrastructure to provide bank-grade software products in credential management & versatile strong authentication. i-Sprint now has presence in 5 countries outside of Singapore, and serves 86 customers mainly in the financial world in 16 countries.

### **i-Sprint's main products**

- AccessMatrix Universal Sign-On (USO)
- AccessMatrix Universal Authentication Server (UAS)
- AccessMatrix Universal Credential Manager (UCM)
- AccessMatrix Universal Access Management (UAM)



Secured by Passlogy

### **About Passlogy Co., Ltd.**

Passlogy is a security solution vendor, and its main business is one time password products. Founded in 2000, Passlogy develops and sells a software product that provides the strong but easy to use authentication mechanism for the rapid growing network society. Passlogy's products have been sold to more than 400,000 user licenses, and used by various users, from small to large, including financial institutions with higher security policy regulations, governments, academic/education, and enterprises.

### **Passlogy's PassLogic**

"PassLogic" developed by Passlogy is an authentication system based on its proprietary technology "PassLogic mechanism" that generates one time password from an image. It generates password extracting numbers from the pre-configured "location" and "order" (this part is the authentication information) from the random number matrix displayed in the web browser. The numbers in the matrix changes every time a user acquires the random number matrix from the authentication server. Since the password changes at every authentication session, the security level of one time password is expected to be much higher than static password. PassLogic does not require an additional hardware token and/or special application, it reduces significantly operation and management efforts and costs.



### **About NetSpring**

NetSpring develops and sells the network appliance "FEREC" for LAN access management based on the network authentication software from Hiroshima University. In response to the growth of the information security market, FEREC penetrates the market, especially the university market in Japan. It now holds the market share of over 12% (as of September 2009). As FEREC is implemented at many universities, the request for integration of ID management over university networks increased. And, the need for the LDAP based authentication server became obvious. In order to meet this demand, NetSpring started selling the all-in-one authentication server appliance, "AXIOLE" from the end of 2006.

#### **<NetSpring's main products>**

- FEREC520 / FEREC720 / Center2 (Web authentication gateway product suite)  
FEREC product web site: <http://www.ferec.jp/>
- AXIOLE (LDAP based network authentication server appliance)  
AXIOLE product web site: <http://www.axiole.jp/>

\* SSO*cube* and its logo are NetSpring's pending trademark registration.

\* All company and product names are property of their respective owners.

**[i-Sprint Innovations Pte Ltd Corporate Profile]**

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Tel: +81-3-5288-5347

Singapore HQ: Blk 750C #02-14/15,  
TechnoPark @ Chai Chee,  
Chai Chee Road,  
Singapore 469 003  
Tel: +65 6244 3900  
Fax: +65 6244 8900

CEO: Albert Ching  
Established: March, 2000  
Capital: SGD 6,000,000  
Number of Employees: 45  
Description of Business: Development and sales of single sign-on products and versatile authentication solutions  
URL: <http://www.i-sprint.com/>

**[Passlogy Co., Ltd. Corporate Profile]**

Headquarters: Fukuroku Building 4F,  
2-7 Kanda-Tsukasa-cho  
Chiyoda-ku, Tokyo 101-0048  
TEL: +81-3-5283-2263

CEO: Hideharu Ogawa  
Establishment: February, 2000  
Capital: JPY 100,000,000  
Description of Business: Development and sales of one time password related products  
URL: <http://www.passlogy.com/>

**[NetSpring, Inc. Corporate Profile]**

Headquarters: 3-12-16 Mita  
Minato-ku, Tokyo 108-0073

TEL: +81-3-5440-7337

CEO: Susumu Nishitake

Establishment: March 2000

Capital: JPY 80,750,000

Number of Employees: 22

Description of Business: Planning, development and sales of network related products  
Network integration, operation and support  
Consulting on computer networks

URL: <http://www.netspring.co.jp/>

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