



CASE STUDY

SHARP HEALTHCARE, CALIFORNIA: ENABLING STRONG AUTHENTICATION WITH BIOMETRICS

The Challenge

Sharp Healthcare is San Diego's most comprehensive health care delivery system, comprising more than 1,800 licensed beds and 2,500 physicians. Its wide network of hospitals, medical groups, nursing facilities, and community health centers, offer a full range of integrated care to approximately 3 million area residents. With its wide network, Sharp wanted to provide faster and easier access to resources through biometrics, single sign-on, and context management, while helping ensure greater patient security and privacy.

The Solution

In 2003, Sharp Healthcare re-engineered its entire clinical system with Sentillion's Vergence® technology to simplify caregiver access and implement greater security and patient privacy. Vergence integrates BioLogon® fingerprint biometric authentication software and provides solutions for strong authentication, single sign-on, context management, and privacy management for the healthcare industry.

Sharp's first phase of re-engineering included installing the context management, single sign-on, and privacy auditing portions of Sentillion's Vergence suite. To enable strong authentication, L-1 fingerprint authentication and BioTouch fingerprint readers were added to complete the solution. The fingerprint readers are connected to a variety of systems, including PCs, thin clients, and mobile carts, both traditional and wireless. The fingerprint reader technology is seamlessly integrated with Vergence Authenticator and Active Directory. This ensures strong authentication of the user, while simultaneously setting the user context for the associated workstation. Upon verification, the user is granted access rights.

Sentillion's single sign-on capability and L-1 fingerprint biometric authentication are now enabling doctors, nurses, and other caregivers to log onto the system with a single user name and a touch of their finger in order to gain access to all of the necessary clinical programs, without needing to log on to each clinical program individually. This has resulted in greater convenience for Sharp's enrolled users by eliminating the need to remember passwords and carry cards.

The deployment which is touted to be the largest network of biometrically enabled, strong authentication solutions ever installed in a healthcare environment included 8,000 BioTouch™ USB fingerprint readers and an 11,000-user BioLogon server license.

Implementation is well underway. To date, 5,000 readers are in place, providing about 9,000 of the 12,000 Sharp employees with biometric authentication. The remaining 3,000 readers are currently being installed, scheduled for completion in the spring of 2005.



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"This is the future of healthcare IT. Over the past year, we've re-engineered our entire clinical system with Vergence technology, making it easier to use and more accessible for caregivers, while integrating key technologies, such as L-1's biometric authentication products, that provide absolute privacy for patient information and thorough tracking and reporting to meet all the HIPAA requirements. Biometrically-enabled, strong authentication is the final piece," commented William Spooner, SVP and CIO of Sharp Healthcare.

At project completion, Sharp's state-of-the-art authentication solution will provide greater security for 8,700 Sharp users and, as a result, will help protect the record of countless patients.

The successful integration of the solution into Sharp's IT system is providing faster and easier access to resources while helping ensure greater patient security and privacy. Workflows have been greatly enhanced throughout Sharp's facilities enabling faster decision-making and better patient care.

Recently, *Modern Healthcare* magazine ranked Sharp 9th among the Top 100 Integrated Healthcare Networks. Sharp's goal is to continue providing our caregivers and patients with the highest quality technology resources and, in doing so, to become the premier example of IT innovation in healthcare.

"Combining the leader in biometric authentication hardware and software and the leader in single sign-on for healthcare promises to benefit the healthcare industry. Sentillion is committed to delivering simplified access to the diverse clinical and non-clinical applications found in healthcare. The integration of L-1 biometric authentication into Sentillion's single sign-on technology offers our healthcare customers a one stop shopping approach to implementing a more secure and readily accessible clinical solution," said Robert Seliger, Sentillion President and CEO.

About BioLogon® Technology

BioLogon technology offers complete multi-factor authentication of biometrics providing fingerprint and password support. BioLogon is designed to integrate seamlessly into a network's OS for central administration, configuration and maintenance of user account and security policies. Accepts multiple user account login methods, including biometrics and smartcard/PIN combinations.

About L-1 Identity Solutions

L-1 Identity Solutions, Inc. (NYSE: ID), together with its portfolio of companies, offers a comprehensive set of products and solutions for protecting and securing personal identities and assets. Leveraging the industry's most advanced multi-modal biometric platform for finger, face and iris recognition, our solutions provide a circle of trust around all aspects of an identity and the credentials assigned to it -- including proofing, enrollment, issuance and usage. With the trust and confidence in individual identities provided by L-1 Identity Solutions, government entities, law enforcement and border management agencies, and commercial enterprises can better guard the public against global terrorism, crime and identity theft fostered by fraudulent identity. L-1 Identity Solutions is headquartered in Stamford, CT. For more information, visit www.l1id.com.