Swedish National Board of Healthcare

Customer Profile

The Swedish National Board of Health and Welfare (Socialstyrelsen) is a government agency under the direction of the Ministry of Health and Social Affairs. The agency performs a wide range of activities and many different duties within the fields of social services, health and medical services, environmental health, communicable disease prevention and control, and epidemiology. Policy guidelines for the agency's work are determined by the Swedish government.

Business Challenge

Although not driven by any direct compliance mandate, Socialstyrelsen wanted to take a proactive approach to implementing a secure and unified identity and access management solution that would also provide increased security for sensitive medical professional and patient information. With two disparate processes in place—smart cards for building access and passwords for network login—the agency sought a solution that could fit into their existing architecture and be easily accepted by their employees.

Solution: Microsoft ILM and Gemalto HSM

Secure identity management consists of several different technologies that need to work together to provide strong authentication and hardware-based protection of keys and digital identity credentials. Working with Omegapoint, a Swedish-based systems integration company, Socialstyrelsen took a systematic approach to evaluating products for their identity and access management system. This building block method began with the selection of Microsoft's Identity Lifecycle Manager (ILM) for management of smart card user credentials. ILM manages the entire life cycle of user identities and their related credentials,

Business Challenges
> Secure and unified smart card identity and access management solution
> Integrate with existing network architecture

Solution
> Gemalto SafeNet Network HSM for secure generation and storage of cryptographic keys and root CA
> Microsoft ILM for smart card management

Benefits
> Strong two-factor authentication
> Hardware-protected security and storage for root CA and private keys
> Reduced IT support and costs

providing identity synchronization, certificate and password management, and user provisioning across Microsoft Windows and other organizational systems. With ILM, the agency can enforce access policies and track user identities across the organization, putting a core security component into place and simplifying the overall identity management process.

Vital to any identity management system are the digital certificates and cryptographic keys for strong authentication. It is also vital to ensure that they are securely protected. For this role, the agency chose the Gemalto SafeNet Network HSM to secure their root certificates and sensitive identity keys. The SafeNet Network HSM is a flexible, Ethernet-attached Hardware Security Module (HSM) that provides secure, hardware-based storage for sensitive cryptographic keys and offers over 5,500 cryptographic operations per second (1024-bit RSA decrypt) for the most demanding applications.

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>
> -Johan Malmliden CEO, Omegapoint

An important factor in the selection of the SafeNet Network HSM was its ability to fully integrate with Microsoft Certificate Services, which the agency uses for management of their certification authority and public key certificates. Built-in support for TCP/IP ensured that the SafeNet Network HSM could be easily deployed into the Socialstyrelsen's existing network infrastructure and would communicate with other network devices. "This solution is ideal for this project, as it enables use of one method of Swedish National Board of Healthcare authentication for all employees," says Johan Malmliden, CEO at Omegapoint. "It also addresses the need for stronger security and simplified management of user identities."

The SafeNet Network HSM also provides partitioning functionality, which allows a single HSM to be split into a maximum of 20 virtual HSMs, each with their own access controls and independent key storage. Socialstyrelsen was also able to leverage this feature by defining both a live and testing environment.

Gemalto's HSM meets or exceeds the best practice security requirements set forth by numerous legal and regulatory requirements, placing the agency in prime position to satisfy any future government compliance mandates.

Benefits

Through meticulous evaluation, planning, and implementation, the Swedish National Board of Health and Welfare was able to satisfy all of their requirements for a robust yet cost-effective identity and access management solution. For the organization, it saves time and money. For the user it saves time and avoids frustration. For both, it increases security.

The portable smart cards provide secure two-factor authentication that allow users to have their digital credentials available at all times and easily authenticate themselves for both building and network access. Through this approach, the agency was able to overcome the inconvenience, management costs, and security limitations of a password-based system, and provide workers with a more convenient and secure method of authentication. In addition, Socialstyrelsen was able to fortify network security, increase productivity, and strategically position themselves for future growth and compliance requirements.

About Omegapoint

Omegapoint AB is a market-leading expert in system architecture, security, and IT management, providing solutions for integration, support, maintenance, training, and management. Their customers are among the largest companies and organizations in Sweden within banking, finance, insurance, government, healthcare, manufacturing, media, telecom, energy, defense, retail, and pharmaceuticals. For more information, visit www. omegapoint.se.

About Gemalto's SafeNet Identity and Data Protection Solutions

Through its acquisition of SafeNet, Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions – from the edge to the core. Gemalto's newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.

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