



Large Swedish Hospital Protects Patient Data with FoxT

Danderyd Hospital, one of the major hospitals in Sweden, provides healthcare services for central Stockholm and the surrounding area. One security challenge Danderyd faced was that the staff with access to the patient administration system often shared PCs, and could be called away from their desks at any time. Furthermore, people who shared PCs often had different system security privileges. FoxT ApplicationControl solution solved this problem for Danderyd by providing strong, two-factor authentication.

CASE STUDY

"The solutions from FoxT provide a very high degree of security. In combination with smart card technology, this solves several special security problems we encounter. Thanks to FoxT, we now have a complete security solution that fulfills our requirements for both the Unix computers and the PCs."

Martin Johnson, Danderyd Hospital

The Challenge

During 2002 the hospital handled over 160,000 patient visits including 58,000 emergency visits and performed more than 23,000 operations. The hospital performs close to 5000 childbirths, and carries out over 90,000 X-ray examinations per year.

Such activity places high demands on staff efficiency and productivity. In order to maintain the quality of their service and enable higher security, primarily within computerized systems for medical records, the hospital has invested heavily in IT systems and routines. The hospital runs a comprehensive patient administration system on a range of more than 20 Unix servers connected to personal computers via a TCP/IP network. The staff access patient records via these PCs from many different clinics. Since patient confidentiality is high priority, the hospital believes it essential to secure the patient record system using state-of-the-art strong authentication and encryption. To achieve this, they chose FoxT ServerControl system to secure access to applications and for Unix platform security.

Thousands of Users

One of the security challenges Danderyd faced was that the staff with access to the patient administration system often shared PCs, and could be called away from their desks at any time. Furthermore, people who shared PCs often had different system security privileges.

FoxT ApplicationControl solved these problems for Danderyd by providing strong, two-factor authentication to the PCs in the form of a smart card, which contains public key credentials that verify for the system the identity of the user. Without their cards, users cannot log onto their computers, and if a smart card is removed during a session, FoxT ApplicationControl automatically locks the PC, preventing unauthorized access. A new user can, however, easily and quickly continue to work on the same PC if his or her smart card has the proper privileges.

Danderyd Hospital is using two FoxT Enterprise Access Management solutions: FoxT ServerControl for securing access to Unix servers and FoxT ApplicationControl for secure sign-on to the Melicor patient record system. These solutions function as seamless components, implementing an integrated security strategy that keeps Danderyd's patient records secure and assures that the hospital passes its yearly Unix system audit.



About FoxT

FoxT protects corporate assets with an enterprise access management solution that centrally enforces granular access entitlements, in real-time, across operating systems and business applications on any networked device. The ability to proactively administer, authenticate, authorize, and audit access across diverse platforms, down to the file and device level, enables organizations to greatly reduce compliance and audit costs, streamline IT security administration, and protect corporate value by mitigating the risk of insider fraud. Headquartered in Mountain View, California, FoxT serves Global 1000 customers in 32 countries. For more information - www.foxt.com or email sales@foxt.com.

Securing the Patient Record System

One of the key security issues for the hospital is to safeguard access to the Melior patient record system, which uses a Sybase database on the Unix hosts.

Danderyd opted to use FoxT ApplicationControl to integrate the smart card authentication system with the Sybase security system, providing a common reduced sign-on to the desktop and to the application. Users do not have to enter further passwords - the initial card password and the security credentials in their cards are all that is required.

Furthermore, the traffic between the PC and the application is automatically encrypted. This saves substantial costs in administration, is easier for the users, and provides a more secure environment for the hospital.

Reducing Cost of Administration

FoxT ServerControl solution reduces the cost of administration at the hospital by providing logical groups of host machines and users with similar security requirements.

Administrators no longer have to set up individual user access controls - this can be done as a single action for all users with similar needs. Similarly, users can be granted access to all the hosts necessary for them to be effective in their jobs in the hospital - in one operation. This aids Danderyd in implementing and enforcing their security strategy.