



Secure Access the Key to Successful Diagnostic Image Storage Service

ALADDIN'S EToken USB AUTHENTICATION HELPS TELEPAXX CONTROL ACCESS TO ARCHIVE HOLDING MORE THAN 30 MILLION MEDICAL IMAGES

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Andreas Dobler
Telepaxx Software GmbH

Telepaxx Challenge: Developing A Secured Operating Environment That Ensures Data Safety And Integrity – While Maintaining User-Friendliness

In 1997 Telepaxx Software GmbH was the first company in Germany to introduce an external Picture Archiving and Communications System (PACS) medical imaging storage service. Since then, "e-pacs" as the service was branded has really taken off with the circle of users expanding to encompass major orthopedic and radiological surgeries, county hospitals, and municipal clinical centers with more than 1,200 beds. Currently, Telepaxx provides more than 50 e-pacs customers with 60 TB of storage capacity at the company's two e-pacs Storage Centers.

All Telepaxx e-pacs storage service solutions are designed like an in-house archival system, consisting of a server holding the current data and long-term memory storage. An e-pacs department server is installed at the Telepaxx customer's premises to manage local memory. These memory resources usually contain data from previous months or years and serve to provide local access for customers. Inside the Storage Center each customer is exclusively assigned a data medium and a customized database as well as an archival backup copy kept outside of the Storage Center. Access to external data can only be obtained online via switched line or the Web. The transfer of data to the Storage Center is executed optionally online via the internet or offline via data media.

Aladdin's eToken: Key To e-pacs Data Security Environment

"Patient-related medical image data is particularly sensitive and worthy of protection," said Telepaxx's Andreas Dobler. Within the e-pacs storage system the server is programmed to migrate data to and from the offsite Storage Center. Outside the company premises all data is transferred and processed solely in encrypted form, using pseudonyms to further mask patient-related information. Based on IPSEC/VPN, communications are tunneled when delivering data via the internet.



SUCCESS STORY

Benefits:

For Telepaxx, a single trusted source for USB-based smartcard authentication

Security – Only authorized users who have an eToken and who know their unique eToken PIN can access or manipulate e-pacs-stored images

Simplicity – There is no server or smartcard reader required for IT departments to deploy and manage. Users need only to plug their eToken key into their USB port type their eToken PIN

Portability – Users carry their certificates securely in their small (about the size of a house key) eToken, not on their PC - which also makes it easy for Telepaxx to ship and deliver eTokens

Reliability – Proven eToken USB smartcard technology deploys rapidly and easily

To ensure access security, the e-pacs storage service required an innovative and high-quality USB smartcard authentication device to provide a secure storage medium for individual customer digital certificates and strong, two-factor authentication. Aladdin was able to offer an effective single-source solution: eToken. According to Dobler, the decision to source this critically important element of data security was supported by the company's long-lasting collaboration with Aladdin, which for the last several years has been supplying dongles to protect Telepaxx software against piracy and incorrect use.

About Telepaxx

Telepaxx software GmbH is the leading provider of Medical Storage services in Germany with more than six years of operational experience. Telepaxx currently operates two Storage Centers: one in Buechenbach near Nuernberg and the other in Duesseldorf. At present the company stores more than 30 million radiographs and other diagnostic images and makes them available on-line with approximately 1.5 million new pictures added each month. Telepaxx is a dynamic enterprise offering customers a rare combination of technological innovation and operational efficiency that drives down costs and keeps customer value high.

About Aladdin and eToken

Aladdin (Nasdaq: ALDN) is a leader in digital security, providing solutions for Internet security and software commerce worldwide since 1985. Aladdin's eToken is a USB-based two-factor authentication device the size of a typical house key, offering a fully-portable and cost-effective means to authenticate users and to digitally sign sensitive business transactions. Organizations around the world are utilizing eToken's capabilities to provide secure network logon, VPN access security, fine-grained access control to web resources, and to protect laptops and files from unauthorized use or theft.



For more info: eAladdin.com/eToken

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