

The Nevis Experience for
MediData



MediData

MediData uses Nevis software to protect healthcare data for service billing

MediData

About MediData

MediData is Switzerland's leading platform for the transmission of digital service bills in the healthcare sector. Approximately 85% of all invoices sent digitally in Switzerland are transmitted via MediData's servers. In 2020 alone, this equated to around 82 million documents. The company's network includes every insurer in Switzerland, 98% of pharmacies, 95% of accident' insurance providers, hospitals and laboratories, 11,000 doctors and many other healthcare professionals. MediData can therefore rightly claim to be the digital backbone of the Swiss healthcare system.

MediData AG

Platz 6
6039 Root D4
Switzerland

Initial situation

To ensure that it is optimally positioned for the future, MediData began building a new "MediData Network" in 2017. The new platform is exceptionally powerful and up to date in terms of security. It also offers users greater convenience and additional services alongside service billing.

The MediData network is provided in three different infrastructure formats. With the MediData Box, smaller practices and organisations receive a mini-computer as a stand-alone connection, while larger practices, which often work with a virtual IT infrastructure, receive a virtual appliance. In addition, a technical solution is provided for software providers that operate their industry applications in the cloud. Users are generally provided with online services and products that run exclusively on an appliance provided by MediData. These products also include service billing in the form of so-called "transport products". MediData only provides the infrastructure for such data transport and cannot read the encrypted data itself.

The central challenge of the project was to secure the new MediData network in such a way that only authorised individuals could access the sensitive data.

Solution

In collaboration with AdNovum, MediData initially devised its security concept in 2017. During the implementation of its new platform over the following two years, MediData benefited significantly from AdNovum's technical support. Within the MediData Network, the individual applications – including the customer portal, in which customers can configure their settings, and the internal support department tool – are protected by the Nevis Identity Suite.

To ensure that no unauthorised individuals can access the sensitive billing details, the appliance products are secured by OAuth. Users register with the system using a private key and a public key, while access is provided via an access token. The underlying technical expertise is delivered by AdNovum. A particular challenge arose from the fact that registration expires after a certain period. For this reason, MediData and AdNovum developed a framework in which registration is automatically renewed. Ensuring multi-client support was also an important point. This is because some of the admins are healthcare practice assistants who work in just one group practice but act as administrators for multiple organisational units. Using the Nevis tool, a solution was adopted that enabled users covering multiple units be added with a variety of different roles.

KEY FIGURES

MediData Network:

- The MediData Network includes **every insurer** in Switzerland, **98%** of pharmacies, **95%** of accident insurance providers, hospitals and laboratories, **11,000 doctors** and many other healthcare professionals.
- It provides users with access to web applications and other solutions – including solutions for service billing.
- The applications contained in the MediData Network are protected by the **Nevis Identity Suite**.



«By deploying the AdNovum solutions and the Nevis Suite, we've significantly increased the security of both log-in details and the data we transmit via our network.»

Cristiano Dias

Software developer at MediData

MediData

About Nevis

Nevis develops security solutions for the digital world of tomorrow. Our portfolio includes passwordless logins, which are intuitive to use and offer optimal protection of user data. Nevis is the market leader for Identity and Access Management in Switzerland, and it protects over 80 percent of all e-banking transactions. Government authorities and leading service providers and industrial companies across the globe rely on Nevis solutions. The specialist in authentication operates offices in Switzerland, Germany, and Hungary.

www.nevis.net

Implementation partner:



Adnovum Informatik AG
Badenerstrasse 170
8004 Zürich
Switzerland

www.adnovum.ch