



## The ASIP Santé relies on Meibo for the modernisation of its secured directory front-end

Thanks to its flexibility and upgradeability, the solution from Ilex International is contributing to the satisfaction of the ASIP Santé directory's users.

### Meet the requirement of identification, security and independence linked to the development of information technologies in the social and healthcare domain



Created in 1993, the Groupement d'Intérêt Public "Carte de Professionnel de Santé" – The Public Interest Group "Health professionals Card" - provides an personal smartcard to each healthcare professional who requests one. The card, protected by a confidential PIN code, contains information about their identity, qualifications, field of practise in addition to billing data for the electronic treatment record.

This card contains cryptographic keys and electronic certificates – published online in a public directory ([www.annuaire.gip-cps.fr](http://www.annuaire.gip-cps.fr)) – to provide three functions: authentication of healthcare professionals, data signing and message encryption (guaranteeing confidentiality of information exchanged online). This system of strong authentication is used in various national applications such as the DMP (Shared Medical Files) or the CNAM repayments history with the objective of improving healthcare services (better treatment and expense management).

The most visible and well known use of the CPS card is the SESAM-Vitale application which enables healthcare professionals to electronically transmit the patient's electronic treatment record, in addition to sending the electronic repayment request to the obligatory and complementary healthcare insurance organisations. In 2006, over 1 billion electronic treatment records were transmitted.

### A directory with over a million entries

The ASIP Santé directory serves to support the publication of valid certificates and revocation lists. It contains approximately 1.3 million entries corresponding to 650,000 users as each of them has 2 certificates dedicated to authentication and digital signature. The number of entries will double during the course of the next 3 years due to the promulgation of the 15th May 2007 "confidentiality" decree which mandates the use of the CPS card.

The directory, built on X.500 technology, is secured in order to protect its data from any commercial use. Authorisation to put the data online was given by CNIL on condition that an access charter is used.

At the end of 2004, the ASIP Santé programmed an upgrade of their directory access front-end, which at that time relied on turnkey developments of which certain components were no longer maintained.

**“** The ASIP Santé launched the CEduSAA - Consolidation et Evolution du Service d'Accès à l'Annuaire (Directory Access Service Consolidation and Upgrade) in order to upgrade the solution. The front-end had a certain number of shortcomings notably in terms of the user interface, and didn't permit retrieval of the CRLs (Certificate Revocation List) in HTTP mode. We looked for a solution that would enable us to open our IT system to new services such as bulk extraction destined for local or regional organisations. **”**

**Marc Milan**, manager of IT Analysis and Development at the ASIP Santé

## KEY TAKEAWAYS

### The challenges

- Open-up the IT system to new services
- Modernise the directory access front-end

### The solution: Meibo

Directory Content Management

### The benefits

- Flexibility and openness, notably in terms of Web Services
- Ergonomic user interface
- Ability to download CRLs and certificate chains over HTTP
- Viewing of server certificates
- Increased reliability guaranteeing an increased loading capacity
- Excellent cost effectiveness

## Meibo: flexibility, openness, functional richness and ease of administration

After analysing different solutions, the ASIP Santé decided to select a market solution rather than a turnkey development for reasons of longevity, evolution, quality and performance. From this strategic choice, in 2005 the ASIP Santé published a Request for Proposals for the replacement of its Directory front-end.

“ In the end we selected Meibo from Ilex International based on several criteria. Overall, this offer fulfilled our requirements best and proposed the most cost effective solution. We were seduced by its flexibility and openness, notably in terms of Web Services. In addition, its wide range of functionality was a plus in terms of the user interface. For example, the solution offered the ability to search successive branches of the directory allowing the user to save time. Its ease of use and configuration equally figured as a factor in our final decision, along with the ability to easily develop new functionality which guarantees a superior upgrade path. ”

Marc Milan



The implementation was carried out by the integration teams from Ilex International who, amongst other things, committed to ensuring backward functional compatibility and correct operation of the new functionality. Thanks to Meibo, new profiles were created for the establishment's directors and a retrieval function was implemented along with Web services used for machine to machine data extraction (automated requests via the LDAP protocol).

## Satisfied users, increased reliability, stability

After a year of use, the ASIP Santé declared its satisfaction with the results of the project.

“ The users of our site made us aware of their satisfaction, both in terms of the new ergonomics (ease of use) and its performance (faster searches). In addition they now benefit from a larger range of information, accessible via a more convivial search engine offering both fast and improved searches along with a higher number of search criteria. Amongst the most popular functionalities are the options for downloading CRLs and certificate chains over HTTP, and the ability to view server certificates. ”

Marie-Christine Diatta, Diatta of the IT Analysis and Development centre at the ASIP Santé

“ We have equally gained in terms of reliability and have the assurance of being able to handle the traffic in years to come. Today, the site is very stable and the current administration is sufficient to warn of all major incidents. The site receives between 6000 and 7000 HTTP requests per day and approximately 6000 over LDAP with peaks of 10000 for both protocols. Last but not least, we had the benefit of training and migration support services from the Ilex International teams, which enabled us to rapidly master the tool, to configure it and to administer it with ease. ”

Sébastien Herniote, IT Analysis and Development centre at the ASIP Santé

Certain enhancements have already been implemented and others are planned, for example, the implementation of new services and new parameters. Certain additional occupational attributes will be offered for display and some ergonomic improvements are equally in the process of being analysed.

“ Meibo's strong point lies in its ergonomics and rich functionality. Its flexibility allows it to adapt to an external corporate style and hence further enrich its functionality. Multi-platform (Windows, Solaris, HP-UX, Linux...), multi-directory (LDAP v2&3, Microsoft, OpenLDAP, Critical Path...) and multi-server (Tomcat, WebLogic, WebSphere...), it respects market standards, therefore guaranteeing its upgradeability. It is this which enables us to confidently envisage the future whilst concentrating on our new developments. ”

Marc Milan



## Ilex International

is a software provider specialising in Identity and Access management (IAM).

Partner to most of the blue chip companies, today Ilex International is renowned for its expertise in enterprise repositories and Identity Federation.

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