

CASE STUDY



Success Story Urssaf Caisse nationale



The customer

URSSAF Caisse Nationale is a public administrative institution whose mission is to collect social security contributions from companies to manage the cash flow for each branch of the French social security system. It is also responsible for overseeing the "collection" branch, including the Urssaf network, which employs nearly 13,500 people.

The Urssaf Caisse Nationale played a major role in terms of economic and social cushioning during the Covid 19 pandemic so that companies could face the crisis and individuals could still receive social benefits.

Context of the anonymization project

Following the entry into force of the GRPD, the Urssaf Caisse Nationale had to deal with increased **regulatory pressure** that was strongly felt from 2018: reinforced obligations, demands from contributors, strong sanctions increasingly applied on the side of the CNIL. The Urssaf Caisse Nationale organization relies mainly on ESNs (Digital Service Companies) to develop its applications, while also having to meet their expectations in terms of compliance with the GRPD by providing them only with desensitized data.

Finally, the French Social Security Department (DSS) has clearly described in a doctrine the **prohibition of carrying out tests** on real data, whether with ESNs or for internal use outside of production. For these reasons, it was essential for the Urssaf Caisse Nationale to protect the data entrusted to it by launching an anonymization project.

When the need for anonymization is well expressed, we have the use cases upstream, and when we have succeeded in translating this into technical rules, the user benefit is to work on anonymized data as if we were working on real data."

*Etienne Cotasson, Security and Privacy
Project Manager, Urssaf Caisse Nationale*



Issues

Urssaf Caisse National first defined a process and addressed the cases to determine the type of anonymization by responding to the following needs:

- Choose a **licensing mode** that implies stability/control of their royalties and subscriptions.
- **Preserve the maximum possible veracity of the data sets** and orient the choice of the tool in relation to business needs.
- **Respect the agnostic aspect** of DBMS.
- Have a **centralized platform**.
- Have the capacity to **test certain engines**.
- Perform **data sampling**.
- Gauge the **quality of anonymization** and guarantee **non-identification**.
- Connect to the **LDAP directory** to have secure connections.
- Have an **interface with a scheduler** (Automator from Axway).
- Anonymize **flat files**: XML, JSON, CSV.◆

Solution provided: DOT Anonymizer

Urssaf Caisse Nationale chose to integrate the DOT Anonymizer solution into its ecosystem for the following reasons:

- A **guarantee of trust**: French solution (member of Hexatrust).
- The simple, sustainable, and economically interesting **licensing mode**, regardless of the volume of data and regardless of the number of databases.
- The **agnostic aspect** of its DBMS which gives the possibility for the Urssaf Caisse Nationale to process all types of databases from a single from a single centralized platform.
- The **capacity and the respect of simulation of certain and very specific engines** to be developed for their clients.
- The **highly extensible data mapping** which has been a project gas pedal for the Urssaf National Fund.
- The **execution time of an anonymization** thanks to the cache allowing a **saving of approximately 30%** for the context of Urssaf Caisse Nationale.◆

We had to develop very specific rules for our needs and the rule simulation aspect for DOT Anonymizer, especially for complex rules, has been a real added value."

Etienne Cotasson

*Security and Privacy
Project Manager,
Urssaf Caisse Nationale*

