



Cogniware GDPR Explorer

This software is the essential technical asset you need to comply with data discovery part of GDPR, the rest of your responsibilities can be solved by internal policies.

The GDPR regulation brings many obligations on companies and the date when these will be enforced is closing in. We at Cogniware have a rich history of dealing with security projects of many kinds. We have decided to prepare a flexible solution for those who go through the process of identification of the impact GDPR has on their business and are now looking for a technical solution to do the job. Many IT companies will try to persuade you that you need to implement a massive solution that will mean major investment and time from your team.

We have decided to prove them wrong.

This solution helps to cover these GDPR requirements

Scan and recognize Personal Information in your systems

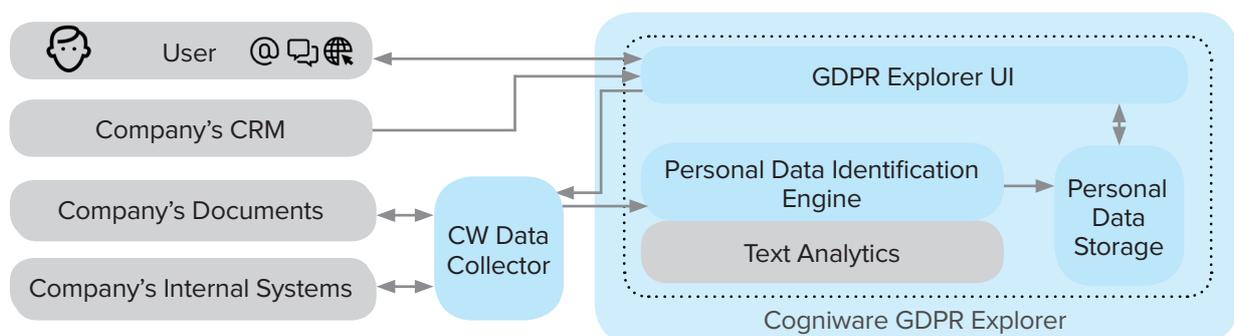
Respond to GDPR Requests

Track and audit request resolution

How does it work

We use advanced text analytics algorithms in the core of our solution. These are set up to recognize all types of personal information relevant to GDPR. This may include all database entries in your CRM, ERP and other systems, all your documents (@, PDF, office,...) and also pictures or voice recordings*.

When possible, your CRM data is used to qualify the search.



Solution architecture

* There are limitations to what is possible to achieve with picture and voice records.

Components

- **GDPR Explorer UI:** User Interface of the solution.
- **Personal Data Identification Engine:** NLP machine running on multiple algorithms that detects all personal information recognized by GDPR.
- **Personal Data Store:** Fast database to store and audit personal information.
- **CW Data Collector:** Bi-directional framework to integrate with your systems.

How does the user interact with the system

1. CW Data Collector seamlessly extracts data from your systems and pushes them into the Personal Data Identification Engine (PDI).
2. PDI Checks records for personal data and stores such in the Personal Data Store (PDS).
3. The responsible User now has several alternatives how to interact with the system including cognitive modules supporting “human-like” discussion via chat-bot or email.
 - a. Your current process tool (like IBM BPM, SAP etc)** to minimize confusion.
 - b. Use GDPR Explorer UI directly (responsive web-based UI included in license).
 - c. Interact with cognitive chat bot **.
 - d. Send email to the system **.
4. The system quickly responds with information retrieved from the PDS.
5. Finally the user can perform various tasks with the information received, namely:
 - a. Request for erasure: semi-automatic with CW Data Collector ** or manually done by the user who follows an interactive list produced by the Explorer UI.
 - b. Request for other GDPR operations: Data masking, Data handling restrictions, Rectifying personal information, etc.
 - c. To ensure data portability, personal information for an individual person can be exported in a structured JSON/XML file which can be then handed over.
 - d. PDF Reports can be generated for audit and archive purposes or to be used in response to the requestor.

How is personal information identified:

The Personal Data Identification Engine periodically searches through company data via CW Data Collector and looks for personal information. This is done in a smart way to skip unchanged parts of data thus minimizing the additional workload on internal systems generated by GDPR related requests.

** These functions are implemented individually and include Cogniware Services.



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