ALRIX CONSULTING
SUISSE - FRANCE

DATA ANONYMIZATION

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GDPR Compliance

Don't show your core sensitive data to unauthorized view, neither internal department, nor external partners.

In the frame of **GDPR**, of a project related to application **development** or for **test** activities, you certainly faced the situation where you have to provide all or part of **your data** to another department, a partner, an nearshore or offshore IT provider.

Indeed, this partner must carry out **consistent data** to be able to define your IT solution, but you do not want to transmit **your strategic and sensitive data**..

Make a copy of your data base and, thanks to the graphical interface (WebApp) of the anonymization **Krumble©** tool, prepare rapidly and simply an operational dataset with a maximum of security for tests and developments purposes.

Krumble
by **Kalys** SA

Define the strategy for sharing your data

Krumble allows following customizable jamming:

- Encrypting (MD5, SHA etc..)
- Permutation
- Transposition
- Numeric conversion
- Date discrepancy
- Integration of core libraries « Client »

It includes online features as:

- Rresult preview
- Anonymization audit report

With its user-friendly functions for permuting, transposing of literal and numeric data, etc. Krumle allows you to control the nature of emitted data via a statistical control report.

The anonymized information can be transmitted outside your company / service with all **the security guarantees**.
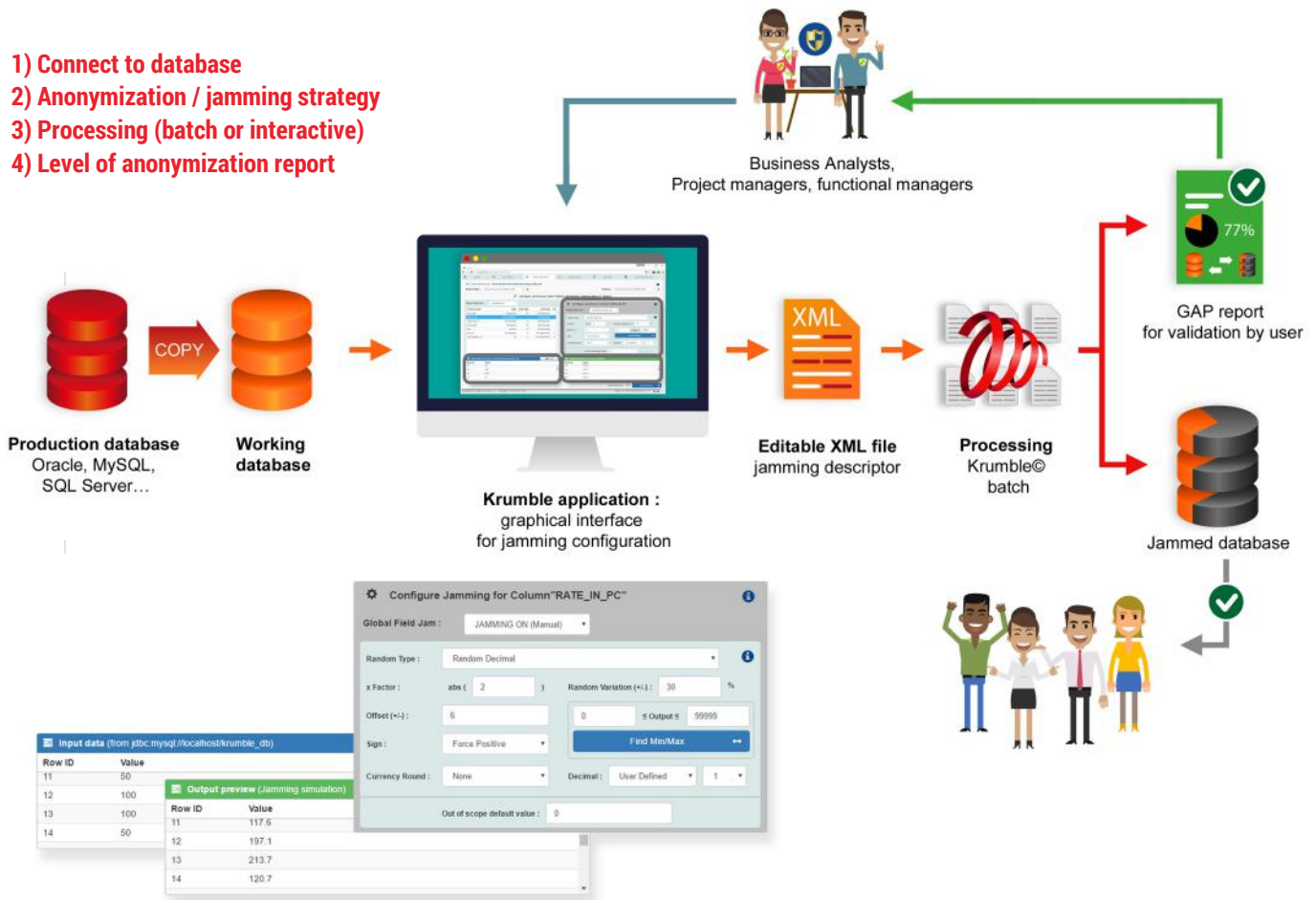
User-oriented solution

Library of standard jammers
Compatible with the evolution of the data models

Deployment model

Batch and interactive model
Multiple database / multiple systems
Integration of client proprietary APIs
Scalable server solution

The 4 steps of data anonymization

1) **Connect to database**
2) **Anonymization / jamming strategy**
3) **Processing (batch or interactive)**
4) **Level of anonymization report**

Business Analysts,
Project managers, functional managers

GAP report
for validation by user

Production database
Oracle, MySQL,
SQL Server...

COPY

Working database

XML

Krumble application :
graphical interface
for jamming configuration

Editable XML file
jamming descriptor

Processing
Krumble©
batch

Jammed database

⚙ Configure Jamming for Column"RATE_IN_PC"

Global Field Jam :	JAMMING ON (Manual) ▼
Random Type :	Random Decimal ▼
x Factor :	abs (2)	Random Variation (+/-) :	30	%
Offset (+/-) :	6	0	≤ Output ≤	99999
Sign :	Force Positive ▼	Find Min/Max ↔
Currency Round :	None ▼	Decimal :	User Defined ▼	1 ▼
Out of scope default value :	0

▦ Input data (from jdbc:mysql://localhost/krumble_db)

Row ID	Value
11	50
12	100
13	100
14	50

▦ Output preview (Jamming simulation)

Row ID	Value
11	117.5
12	197.1
13	213.7
14	120.7

Ask for a demo ! Visit our internet site **www.alrix.ch**

...and for GDPR ?

The General Data Protection Regulation (GDPR) entered into force on last May 25th 2018. Each company has to comply with this regulation by applying security principles related to confidentiality, integrity and availability of systems and data. Clear strategy and action plan are needed for a successful compliance and is also an opportunity to improve public perception, value and reputation of the company.n.

Anonymization major requirements :

- Replace sensitive data with jammed data before sharing them
- Extract relevant data
- Ignore non useful sensitive data
- Meet compliance requirements: on recital 26 of GDPR it is advised hiding to anonymize data and to circumvent GDPR. Lend credibility to the regulation thanks to a strengthened collaboration with the authorities for data protection.

Now go and ensure compliance!

Start your compliance process with **Alrix Consulting**

KRUMBLE

conformité **RGPD**
by ALRIX CONSULTING

DELEGUE A LA PROTECTION DE DONNEES
DPO
by ALRIX CONSULTING