



encrypt

A scalable and practical
privacy-preserving framework

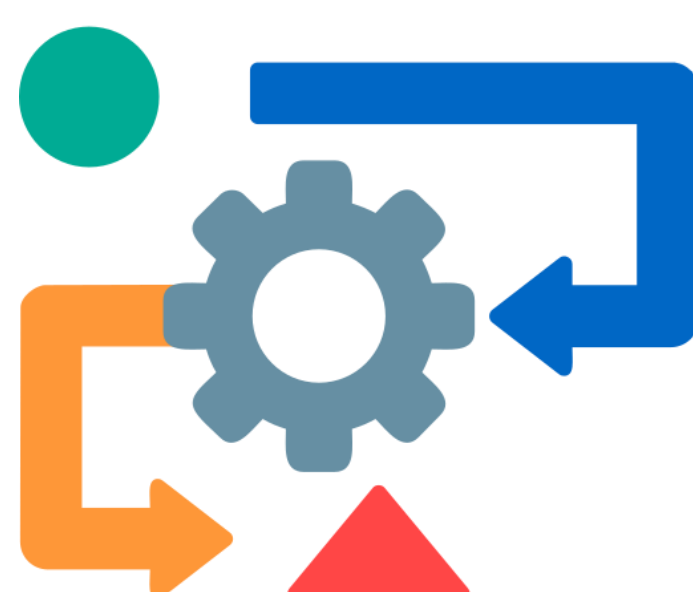
Privacy Risk Assessment Tool

Privacy Risk Assessment Methodology for Organizations



Objectives and Introduction

- Methodology to assess privacy risks in business processes
- Links privacy threats to cybersecurity vulnerabilities
- Supports Controllers and Processors in risk prioritization



Methodology and Foundations

- **Taxonomies of Assets:** Domain-specific
- **LINDDUN:** Privacy threat modeling
- **MITRE ATT&CK:** Technical vulnerability assessment
- **ISO/IEC 27005:2022:** Maturity model questionnaire



Define the context

- Company domain
- Actors and roles

Identify business process

- PDP and processing role
- personal data type (KG)
- PPT in use



Assets and Vulnerability

- IT-OT assets mapping
- MITRE ATT&CK vulnerability assessment



LINDDUN

Privacy Threats

- Linking
- Identifying
- Non-Repudiation
- Detecting
- Data Disclosure
- Unawareness & Unintervenability
- Non-Compliance

Risk Evaluation

- Privacy and Cyber risks correlation
- Fill in the questionnaire based on ISO/IEC-27005:2022 to understand the maturity level of the PDP

Tool Implementation

- Web Application Stack
- Integrated with Keycloak, Kafka, Knowledge Graph
- Hosted at: <https://privacy.rating-eng.eu/>



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**Funded by
the European Union**

This work is supported by the European Union's Horizon Europe programme under grant agreement No 101070670.

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