BPR4GDPR Benefits

☑ Comprehensive security and data protection policies

☑ Incorporation of policies into process models

☑ Automatic process models re-engineering in terms of compliance-aware verification and transformation

☑ Tools for facilitating run-time compliance enforcement

☑ Process mining for the identification of compliance discrepancies and discovery of organisational procedures

Consortium

Germany
- CAS Software
- Steinbeis Beratungszentren

The Netherlands
- Eindhoven University of Technology

Italy
- Università di Roma “Tor Vergata”
- Innovazioni Tecnologiche
- Baker & McKenzie

Greece
- Singular Logic
- ICT abovo
- IDIKA
- Hellenic Data Protection Authority

Project coordinator: Spiros Alexakis, CAS Software AG, spiros.alexakis@cas.de

Scientific Lead: Marwan Hassani, Eindhoven University of Technology, M.Hassani@tue.nl

Technical Lead: Kostas Kalaboukas, Singular Logic S.A., kkalaboukas@singularlogic.eu

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Business Process Re-engineering and functional toolkit for GDPR compliance

bpr4gdpr.eu

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Partners

BPR4GDPR has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement no. 787149.

Objectives

1. Reference Compliance Framework reflecting GDPR requirements and codifying legislation
2. Sophisticated security and privacy policies through a Comprehensive, Rule-based Framework
3. By Design Privacy-aware Process Models through modelling technologies and tools
4. Compliance-driven Process Re-Engineering through a set of mechanisms for automating the respective procedures
5. Compliance Toolkit with PETs, data management tools and functionalities for enforcing data subject rights
6. Implementation of Compliance-as-a-Service (CaaS) at BPR4GDPR Cloud infrastructures
7. Assessment of BPR4GDPR technology via comprehensive trials for Solution Assessment and Validation
8. Profound Impact Creation in European research and economy

Use Cases

- GDPR compliance in own infrastructures and owned data in governmental services
- Compliance-as-a-Service for cloud-based collaborative automotive management in a cross-organisational setting
- Data protection within cloud-supported very small organisations (real estate agencies)

Methodology

1. Identification of organisational procedures and information flows
   - Ex post process analysis
     - Process design by administrative users
     - Process discovery mechanisms
2. Process analysis and redesign
   - Identification of risks, flaws and points of non-compliance
   - Automatic verification & transformation
   - Based on compliance metamodel & policy framework
3. Process enactment
   - Structural and semantic alignment with organisation’s infrastructure
4. Execution of GDPR-compliant process
   - Mechanisms & tools for enforcement of privacy provisions
5. Data protection within cloud-supported very small organisations (real estate agencies)

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