

# Course : RGPD, implementation in SQL Server

optional DiGiTT® remote certification

*Practical course - 2d - 14h - Ref. RGS*

*Price : 1600 CHF E.T.*

The RGPD (General Data Protection Regulation) is a European regulation designed to strengthen the protection of personal data. This course will enable you to understand the stakes and define the steps for concrete implementation in SQL Server.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the challenges of the General Data Protection Regulation
- ✓ Distinguishing the most important items for your IS
- ✓ Defining the major steps for compliance with the RGPD
- ✓ Implementing the RGPD concretely from SQL Server

## Intended audience

Database administrators, developers.

## Prerequisites

Basic knowledge of SQL Server RDBMS.

## Practical details

### Hands-on work

Classification, costing, auditing, notification, etc.

### Teaching methods

Each new theoretical concept, one or more articles of the RGPD in this case, will be applied immediately in a practical way via SQL Server functionality.

## Course schedule

### PARTICIPANTS

Database administrators, developers.

### PREREQUISITES

Basic knowledge of SQL Server RDBMS.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## 1 Introduction to the RGPD (General Data Protection Regulation)

- Presentation of the General Data Protection Regulation (GDPR).
- The challenges of personal data protection.
- Data governance, roles and responsibilities, who's involved?
- Terminology: personal data, processing, access rights, encrypted data, profiling, filing system.
- The main articles to remember.
- Action plan: register, sorting, respect for personal rights, data security.

## 2 Documentation management

- Data classification, extended properties, SQL job inventories.
- Privilege inventories, identification of personal data.

### Hands-on work

Identify and classify your data and reference associated processing and access.

## 3 Security management in SQL Server

- SQL Server security: internal and external, authentication, privileges.
- Modeling: abstraction layers, line filtering (Row Level Security), data obfuscation.

### Hands-on work

Implement security and data access rights based on the database structure.

## 4 Encryption of stored data and network packets

- Network packet encryption (TLS).
- Transparent Data Encryption.
- Column encryption with or without role separation.

### Hands-on work

Implement SQL Server encryption functions and certificate management.

## 5 Monitoring and notification

- Audit instance and database.
- Triggers.
- Extended events and profiler.
- Azure Thread Detection.

### Hands-on work

Implement SQL Server functionality to respond to one or more RGPD-related articles.

## 6 Database vulnerability testing

- Vulnerability testing: standard and customized.
- Setting up rules.

### Hands-on work

Evaluate and define configuration rules for your SQL Server instance and databases.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## Options

### **Certification : 190€ HT**

La certification DiGiTT® est en option lors de l'inscription à cette formation et s'articule en 3 étapes : le passage d'un Diag® avant la formation, l'accès à une digithèque permettant l'apprentissage des concepts et notions pour chaque compétence digitale, puis le passage de l'examen de certification. Celui-ci se compose d'un test de 90 min disponible en anglais et en français. Le résultat atteste de votre niveau de compétences sur 1000 points (débutant, intermédiaire, avancé, expert). Le seul suivi de cette formation ne constitue pas un élément suffisant pour garantir un score maximum à l'examen. La planification de ce dernier et son passage s'effectuent en ligne dans les 4 semaines qui suivent le début de votre session.

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.

## Dates and locations

### **REMOTE CLASS**

2026 : 12 Mar., 11 June, 22 Oct.