



## CompTIA DataSys+ (DATASYS+)

### Description

#### Discover how to master data management with CompTIA DataSys+

The CompTIA DataSys+ course equips you with the skills needed to manage and analyze complex data systems. This course is ideal for professionals looking to expand their expertise in database management and data security. You will learn to implement effective solutions while ensuring regulatory compliance and the security of data systems.

Designed for data management specialists, this program guides you through key concepts such as database design, script execution, and securing sensitive data. Whether you're a beginner or already experienced, the DATASYS+ certification will prepare you to tackle modern data system management challenges with both practical skills and deep theoretical knowledge.

#### Niveau

Intermédiaire

#### Course Content

##### Module 1: Understanding Database Types and Structures

- Introduction to relational databases
- Understanding non-relational databases
- Data storage structures

##### Module 2: Recognizing Standards and Commands

- Database management standards
- SQL and NoSQL commands

##### Module 3: Executing Scripts for Data and Data Systems

- Database administration scripts
- Task automation in data management

##### Module 4: Explaining the Impact of Programming on Database Operations

- Link between programming and database management

- Optimizing databases through scripts

## **Module 5: Understanding Database Planning and Design**

- Planning database infrastructure
- Steps to database design

## **Module 6: Implementing, Testing, and Deploying Databases**

- Database installation
- System testing and validation

## **Module 7: Monitoring and Reporting on Database Performance**

- Tracking database performance
- Generating performance reports

## **Module 8: Understanding Common Data Maintenance Processes**

- Database maintenance processes
- Data optimization and cleaning

## **Module 9: Understanding Data Governance and Regulatory Compliance**

- Regulatory requirements for data management
- Database governance standards

## **Module 10: Securing Data**

- Protecting sensitive data
- Implementing security policies

## **Module 11: Securing Data Access**

- Database access control
- User authentication

## **Module 12: Securing the Database and Server**

- Database hardening
- Monitoring for unauthorized access

## **Module 13: Classifying Types of Attacks**

- Identifying common threats
- Intrusion detection and prevention

## **Module 14: Planning Disaster Recovery**

- Data recovery strategies
- Business continuity planning

## **Module 15: Implementing Best Backup and Restoration Practices**

- Automated database backups
- Fast restoration strategies

---

## Documentation

- Digital course material included

## Exam

- This course prepares to the CompTIA DataSys+ certification
- In order to receive the CompTIA DataSys+ certification, learners must pass two exams: DS0-001.
- If you wish to take these exams, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

## Participant profiles

- Data engineers
- Database specialists
- System administrators
- Data security professionals
- Data management analysts

## Prerequisites

- Basic knowledge of database management systems (DBMS)
- Practical experience with SQL and database scripts
- Understanding of data security and regulatory compliance
- Knowledge of backup and disaster recovery concepts

## Objectives

- Master database design
- Implement and test databases
- Monitor and analyze database performance
- Ensure regulatory compliance in data systems
- Strengthen database and access security
- Plan disaster recovery strategies

## Description

CompTIA DataSys+ (DATASYS+) training

### Classroom Registration Price (CHF)

4000

### Virtual Classroom Registration Price (CHF)

3750

### Duration (in Days)

5

### Reference

COM-302