

CompTIA DataSys+ (DS0-001)

Duration 5 Days

COURSE DESCRIPTION

The CompTIA Data Systems (DataSys+) Certification Prep (Exam DS0-001) course is specifically designed to equip candidates with the essential knowledge and skills needed to effectively deploy, manage, and maintain databases. This comprehensive course focuses on various key aspects, including scripting and programming fundamentals within a database environment, implementing robust security measures, and adhering to industry best practices for business continuity. The CompTIA DataSys+ training sets a unified standard of skills for the successful management and securing of data assets. CompTIA DataSys+ provides employers confidence in their abilities to deploy, manage, and maintain data systems in a secure environment.

COURSE OBJECTIVES

- Understand database types and structures.
- Recognize standards and commands.
- Run scripts for data and data systems.
- Explain the impact of programming on database operations.
- Understand database planning and design.
- Implement, test, and deploy databases.
- Monitor and report on database performance.
- Understand common data maintenance processes.
- Understand governance and regulatory compliance.
- Secure data.
- Secure data access.
- Secure the database and server.
- Classify types of attacks.
- Plan for disaster recovery.
- Implement backup and restore best practices.

COURSE OUTLINE

Database Fundamentals

- Compare and contrast database structure types.
- Given a scenario, develop, modify, and run SQL code.
- Compare and contrast scripting methods and scripting environments.
- Explain the impact of programming on database operations.

Database Deployment

- Compare and contrast aspects of database planning and design.
- Explain database implementation, testing, and deployment phases.

Database Management and Maintenance

- Explain the purpose of monitoring and reporting for database management and performance.
- Explain common database maintenance processes.
- Given a scenario, produce documentation and use relevant tools.

- Given a scenario, implement data management tasks.

Business Continuity

- Explain the importance of disaster recovery and relevant techniques.
- Explain backup and restore best practices and processes.

Data and Database Security

- Explain data security concepts.
- Explain the purpose of governance and regulatory compliance.
- Given a scenario, implement policies and best practices related to authentication and authorization.
- Explain the purpose of database infrastructure security.
- Describe types of attacks and their effects on data systems.

CERTIFICATION

The CompTIA DataSys+ exam sets a unified standard of skills for the successful management and securing of data assets. It covers what database administrators need to deploy, manage, and maintain high-availability systems, including employing the fundamentals of scripting and programming in a relational database environment while using security and business continuity best-practices. * This course prepares students to take the CompTIA DataSys+ DS0-001 national certification exam. *

Number of Questions: Maximum of 90 questions

Type of Questions: Multiple choice and performance-based

Length of Test: 90 Minutes

Passing Score: 700 (on a scale of 100 to 900)

PREREQUISITES

No prerequisites, but 2-3 years of experience in a database administrator role is recommended.

WHO SHOULD ATTEND

- Database Fundamentals
- Database Deployment
- Database Management and Maintenance
- Data and Database Security
- Business Continuity