

training code: DataSys+ / e-learning / EN

# CompTIA DataSys+ (DS0-001) eLearning Bundle

CompTIA DataSys+

## **EXAM CODE DS0-001**

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 systems, including employing the fundamentals of scripting and programming in a database environment while using security and business continuity best-practices.

### **The Only Vendor-Neutral Database Certification Option**

Develop and validate data administrator skills regardless of vendor tools.

### **A Standardized Skill Set**

DataSys+ defines and confirms a consistent skill set appropriate for certified database administrators (DBAs).

### **An Ever Growing Need**

The constant acquisition of big data demands qualified administrators to manage and secure those assets.

### **Stack the odds in your favor with a bundle**

Set yourself up for success and save money with a comprehensive training package. Plus, you'll feel confident taking the exam thanks to a bonus exam retake voucher, only available with a bundle.



Training recipients

For Job Rules:

- Database Administrator
- Sr. Database Administrator
- System DatabaseAdministrator
- Task-Oriented DatabaseAdministrator
- Application DatabaseAdministrator
- Cloud DatabaseAdministrator
- Specialist DatabaseAdministrator
- Performance DatabaseAdministrator
- Database Manager



## Benefits

### **Skills and Competencies Acquired:**

- An understanding of database structure types and the ability to develop, modify and run code provides the groundwork for database administrators to gather, store, and drive data assets.
- Compare and contrast the different aspects of database planning and design and explain the various phases of the implementation, testing, and deployment of collected data.
- Understand the purpose of monitoring and reporting database performance, explain common database maintenance processes, and produce critical documentation.
- Secure databases, protect against attacks, and control authorization while ensuring governance and regulatory compliance.
- Prepare for and recover from incidents by implementing best practices for backup and restoration of data.



## Training program

### **What is CertMaster Learn Integrated with CertMaster Labs?**

CertMaster Learn is a comprehensive eLearning experience that helps learners gain the knowledge and practical skills necessary to be successful on CompTIA certification exams, and in their IT career. A Learning Plan helps learners stay on track with your studies, while robust analytics bring awareness of strengths and weaknesses.

CertMaster Labs make it easy for learners to practice and apply their skills in real workplace scenarios in preparation for the certification exam. All lab activities use real equipment and software, offer feedback and hints, and provide a score based on learner inputs, ultimately guiding learners to the most correct and efficient path through job tasks.

In the integrated experience, CertMaster Labs are integrated as Study Tasks within the CertMaster Learn

Learning Plan, accessible through a single login and seamless workflow.

- Lessons cover all exam objectives with integrated videos
- Hundreds of practice questions test your knowledge
- Performance-based questions apply what you've learned in a scenario
- Assisted Labs guide you step-by-step through tasks
- Applied Labs present goal-oriented scenarios and require critical thinking and analysis
- Flashcards ensure you know the terminology and acronyms required for the exam
- The Learning Plan keeps you on track with your studies

### **Topics Covered**

Lesson 1: Understanding Database Types and Structures

Lesson 2: Recognizing Standards and Commands

Lesson 3: Running Scripts for Data and Data Systems

Lesson 4: Explaining the Impact of Programming on Database Operations

Lesson 5: Understanding Database Planning and Design

Lesson 6: Implementing, Testing, and Deploying Databases

Lesson 7: Monitoring and Reporting on Database Performance

Lesson 8: Understanding Common Data Maintenance Processes

Lesson 9: Understanding Governance and Regulatory Compliance

Lesson 10: Securing Data

Lesson 11: Securing Data Access

Lesson 12: Securing the Database and Server

Lesson 13: Classifying Types of Attacks

Lesson 14: Planning for Disaster Recovery

Lesson 15: Implementing Backup and Restore Best Practices

### **Labs Available**

Assisted Lab: Exploring the Lab Environment

Assisted Lab: Exploring a Database Environment

Assisted Lab: Using Command Prompt and PowerShell

Assisted Lab: Using Data Definition Language (DDL)

Assisted Lab: Using Data Manipulation Language (DML)

Assisted Lab: Using Transaction Control Language (TCL)

Applied Lab: Creating and Manipulating Databases and Data

Assisted Lab: Using Stored Procedures and Triggers

Assisted Lab: Using GROUP BY to Group and Aggregate Data

Assisted Lab: Creating Views with Functions

Applied Lab: Creating Views and Building Functions

Assisted Lab: Diagramming Databases

Assisted Lab: Installing and Configuring Database Connectivity

Assisted Lab: Validating Data

Assisted Lab: Monitoring Databases

Applied Lab: Configuring and Monitoring Databases

Assisted Lab: Optimizing Queries  
Assisted Lab: Ensuring Data Integrity with Constraints  
Assisted Lab: Masking Data Using Pseudonymization and Anonymization  
Assisted Lab: Using Queries to Conduct Security Audits  
Assisted Lab: Using Queries for Code Review and Code Auditing  
Assisted Lab: Implementing Role-Based Access  
Assisted Lab: Reducing Privileges for Users  
Assisted Lab: Rewriting Queries to Prevent SQL Injection  
Assisted Lab: Backing Up and Restoring Databases with Backup Validation  
Applied Lab: Creating Roles and Establishing a Backup Plan

### Access Key Information

- One access key provides access to CertMaster Learn for DataSys+( DS0-001) with CertMaster Labs integrated throughout the course.
- Once activated, the license is valid for 12 months

### How to Access CertMaster Learn

An access key and instructions will be sent via email after your purchase is complete.



## Expected preparation of the participant

### Training Prerequisites

There are no formal prerequisites, but CompTIA recommends having CompTIA Network+ and some hands-on experience with database administration, data analysis, and SQL querying before attempting DataSys+.



## Training Includes

What's included:

- Exam Voucher + Retake
- CertMaster Learn + Labs
- Access keys must be redeemed within 12 months of purchase
- This is single user license and may not be shared



## Language

Language: English

Materials: English

## Examination method

### **What is an Exam Voucher?**

A CompTIA exam voucher is a unique code that will enable you to take your exam at an authorized CompTia Test Service Provider. Exam vouchers are used similar to a gift card. For example, employers often use vouchers to pay for their employees' exam or parents may purchase vouchers for their children.

### **Exam Voucher Details**

- Vouchers are non-refundable and non-returnable.
- One voucher is applicable towards one exam at an authorized CompTIA Test Service Provider.
- All vouchers, including any retakes, are valid for 12 months from the date of purchase unless otherwise noted.
- You must register and take your exam prior to the voucher expiration date.
- Voucher expiration dates cannot be extended under any circumstances.
- Certification exam retirement dates supersede voucher expiration dates. CompTIA may retire certifications and corresponding exams prior to voucher expiration dates.
- Visit the CompTIA website for certification exam information, including exam launch and retirement dates.
- Vouchers are country and currency restricted.
- CompTIA and the participating test providers are not responsible for lost or stolen vouchers.
- Vouchers cannot be redeemed for cash or credit.
- CompTIA vouchers may not be resold.

### **Exam Retake Details**

- For voucher purchases that include a retake, if you fail the exam on your first attempt use the same voucher to register and retake the exam.
- All vouchers, including any retakes, expire 12 months from the date of purchase, unless otherwise noted.
- The retake is only valid for the same exam version that you failed. You cannot use the retake for a different version of the exam.

### **Additional Order Information**

- Order information will be emailed within 3 - 4 hours from purchase.
- You will receive two emails. The first email will be your order confirmation and the second email will include your exam voucher, the voucher expiration date and voucher terms and conditions. Check your spam, junk and promotional folders.

## Duration

1 days / 1 hours

## Examination description

**Exam Codes:** DS0-001

**Launch Date:** July 18, 2023

**Exam Description:** 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.

**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)

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

**Languages:** English

**Retirement:** Usually three years after launch

**Testing Provider** Pearson VUE