

Updated 06/05/2025

Sign up

Comptia Data+ certification training (DA0-001)

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

5 days (35 hours)

Presentation

Our CompTIA Data+® training course will prepare you effectively for certification. An indispensable credential to prove your expertise in data science. one of the top 9 data certifications in the world, CompTIA data+ will open many doors in your career.

Each chapter includes Performance-Based Questions for practicing scenarios similar to the official CompTIA exam. You'll also have access to guided CertMaster Labs to help you move from theory to practice and validate what you've learned.

Our training program covers all the fundamental aspects of data science in order pass the exam, such as fundamentals & data environments, acquisition, cleansing & advanced manipulation, and statistics & interpretation.

Training content

- 5-day training with a certified expert
- 1 year self-study access to the Labs
- 1 pass for certification

Objectives

- Pass the Data+ exam
- Master the fundamental concepts of data science

Target audience

- Senior Data Scientist
- Machine-Learning Engineer / MLOps Engineer
- Data Engineer

Prerequisites

- 2 years' experience in data science or similar field recommended
- Analytical & statistical skills
- RDBMS and SQL practice: joins, aggregations, simple optimization.
- Familiarity with analytical or BI tools (advanced Excel, Power BI, Tableau, Pandas/Python, R).
- ETL/ELT pipelines and data cleansing (dedup, null management).

Note: Ambient IT is not the owner of CompTIA Certifications®, this certification belongs to CompTIA, Inc.

Comptia DataX™ Certification Preparation Program

Data concepts and environments

- Architectures: data lake, warehouse, data mart, OLTP vs OLAP
- Structures and formats: structured / semi-structured / unstructured; CSV, JSON, XML
- Modeling: star vs. flake pattern, slowly changing dimensions
- Environment tools: SQL Workbench, Python/pandas, BI sandboxes CertMaster Labs
- Good practice in configuring labs and examination equipment

Acquisition, cleaning and handling

- ETL vs ELT process, delta load and ingestion via API or web-scraping
- Data cleansing techniques: deduplication, type validation, imputation of missing values
- Data profiling and quality control (outliers, statistical profiling)
- Complex joins, indexing and optimization of SQL queries
- Advanced manipulations (transpose, aggregation, parsing) with SQL and Python

Statistical analysis and interpretation

- Descriptive statistics: mean, median, dispersion, etc.
- Inferential statistics: t-tests, χ^2 , confidence intervals, p-value
- Correlation, simple regression and trend detection
- Choice of analysis method according to business question and nature of data
- Tools: Python (SciPy/pandas), R, Excel, SPSS

Visualization and data storytelling

- Principles of visual design: choice of colors, legibility, hierarchy of information
- Select graph type according to objective (trend, comparison, distribution)
- Building interactive dashboards in Tableau, Power BI and Qlik
- Storytelling: sequencing insights, creating a narrative around KPIs
- Performance-based visualization questions (PBQ) and exam evaluation criteria

Governance, quality, automation and final preparation

- Data governance: roles, policies, RGPD, security and access controls
- Master Data Management and quality frameworks (accuracy, completeness, timeliness)
- Automation & generative AI: RPA for reporting, prompt engineering (pre-view DA0-002)

FAQ - QUESTIONS / ANSWERS

In what language is Comptia Data+ taught?

The course is in French.

Is the exam included in the course price?

Yes, the price of the certification is included in the cost of the course (\$253 for information only). You can take the exam at the end of the session.

How does the Comptia Data+ certification exam work?

The exam consists of a performance-based MCQ with a maximum of **90 questions**. A score of at least 675 (out of 900) is required to pass the exam.

It is taken online at an approved Pearson Vue test center.

The exam lasts 90 **minutes** and is available in English, Japanese and Thai.

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning on entry to training complies with Qualiopi quality criteria. As soon as registration is confirmed, the learner receives a self-assessment questionnaire which enables us to

assess their estimated level of proficiency in different types of technology, and their expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.