AWS Certified Data Engineer - Associate

Length: 1 days
Format: Live Remote
Time: Day

About This Course

This course helps you understand what is important for the exam, how to approach different question types, and how to identify common misconceptions that appear on the test. The instructor will guide you through exam-focused reviews of each domain, highlighting frequently tested concepts, clarifying easily confused topics, and providing strategic approaches to question analysis.

Through targeted practice with exam‐style questions, you will develop the specific knowledge and test‐taking skills needed to succeed on the certification exam.

Required Exams

Candidates earn their AWS Certified Data Engineer - Associate certification by successfully completing one exam: AWS Certified Data Engineer ‐ Associate (DEA-C01)

Audience Profile

This course is intended for data professionals with 2-3 years of experience in data engineering and 1-2 years of hands-on experience with AWS services who are preparing to take the AWS Certified Data Engineer ‐ Associate (DEA-C01) exam.

Course Objectives

In this course, you will:

* Identify the scope and content tested by the AWS Certified Data Engineer ‐ Associate exam
* Apply effective test‐taking strategies for different question types
* Practice with exam‐style questions to build confidence and identify knowledge gaps
* Understand key concepts across all exam domains including data ingestion, transformation, data store management, operations, and security

Outline

Module 0: Introduction * Exam format and structure
* Question types and scoring
* Test-taking strategies
* Preparation resources

Module 1: Data Ingestion and Transformation * Task Statement 1.1: Perform data ingestion
* Task Statement 1.2: Transform and process data
* Task Statement 1.3: Orchestrate data pipelines
* Task Statement 1.4: Apply programming concepts
* Walkthrough of exam-style questions
* Additional questions

Module 2: Data Store Management * Task Statement 2.1: Choose a data store
* Task Statement 2.2: Understand data cataloging systems
* Task Statement 2.3: Manage the lifecycle of data
* Task Statement 2.4: Design data models and schema evolution
* Walkthrough of exam-style questions
* Additional questions

Module 3: Data Operations and Support * Task Statement 3.1: Automate data processing by using AWS services
* Task Statement 3.2: Analyze data by using AWS services
* Task Statement 3.3: Maintain and monitor data pipelines
* Task Statement 3.4: Ensure data quality
* Walkthrough of exam-style questions
* Additional questions

Module 4: Data Security and Governance * Task Statement 4.1: Apply authentication mechanisms
* Task Statement 4.2: Apply authorization mechanisms
* Task Statement 4.3: Ensure data encryption and masking
* Task Statement 4.4: Prepare logs for audit
* Task Statement 4.5: Understand data privacy and governance
* Walkthrough of exam-style questions
* Additional questions

Module 5: Course Wrap-up * Review of exam domains
* Final test-taking strategies
* Additional preparation resources

* Next steps