Training: AWS
Exam Prep: AWS Certified Data Engineer - Associate (DEA-C01)

TRAINING GOALS:

In this 1-day instructor-led training course, you will prepare for the AWS Certified Data Engineer - Associate (DEA-C01) exam. 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.

Course objectives

In this course, you will learn to:

- 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

Intended audience

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.

CONSPECT:

- Module 1: Data Ingestion and Transformation
  - Task Statement 1.1: Perform data ingestion
  - Task Statement 1.2: Transform and process data

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- 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

REQUIREMENTS:

To be successful in this course, you should have:

- 2-3 years of experience in data engineering
- 1-2 years of hands-on experience with AWS services

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- Basic familiarity with AWS data services

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by AWS (course completion). This course also helps you prepare for the AWS Certified Data Engineer - Associate (DEA-C01) exam and this way gain the AWS Certified Data Engineer title – associate level. AWS certification exams are offered at Pearson Vue test centers worldwide https://home.pearsonvue.com/Clients/AWS.aspx

TRAINER:

AWS Authorized Instructor (AAI)

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