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

Duration: 1 Day **Course Code: GK910035** **Delivery Method: Virtual Learning**

Overview:

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.

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Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target 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.

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

Prerequisites:

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
- Basic familiarity with AWS data services

Testing and Certification

This course prepares you for the **AWS Certified Data Engineer – Associate (DEA-C01)** certification.

Follow-on-Courses:

No recommendation. It depends on the intended career path.

Content:

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 step

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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