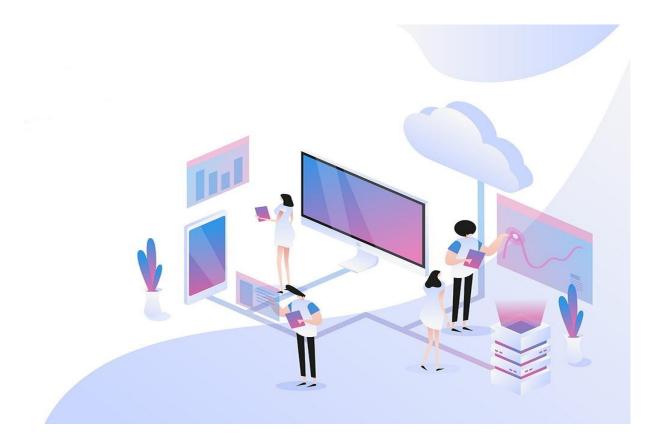# TechyEdz Solutions

A Blended Learning Approach

AWS Certified Big Data Speciality

AWS Certified Big Data Specialty (DAS-C01)

♦ Course Overview:

The AWS Certified Big Data - Specialty (DAS-C01) examination is intended for individuals who perform in a data analytics-focused role. This exam validates an examinee's comprehensive understanding of using AWS services to design, build, secure, and maintain analytics solutions that provide insight from data. In this certification course is geared for people who want to enhance their skills in AWS to help organizations design and migrate their architecture to the cloud. This is the next step after obtaining your Cloud Practitioners Certification. This course will develop your skills your learned from the Cloud Practitioners Course in further detail. We cover a broad range of topics with a specific concentration on High Availability, EC2, VPC, Storage and Overall Management of the AWS Console.

♦ Course Outline:

Collection

- ➢ Determine the operational characteristics of the collection system
- ➢ Select a collection system that handles the frequency, volume, and source of data
- ➢ Select a collection system that addresses the key properties of data, such as order, format, and compression

Storage and Data Management

- ➢ Determine the operational characteristics of a storage solution for analytics
- ➢ Determine data access and retrieval patterns
- ➢ Select an appropriate data layout, schema, structure, and format
- ➢ Define a data lifecycle based on usage patterns and business requirements
- ➢ Determine an appropriate system for cataloging data and managing metadata

Processing

- ➢ Determine appropriate data processing solution requirements
- ➢ Design a solution for transforming and preparing data for analysis
- ➢ Automate and operationalize a data processing solution

Analysis and Visualization

- ➢ Determine the operational characteristics of an analysis and visualization solution

- ➤ Select the appropriate data analysis solution for a given scenario
- ➤ Select the appropriate data visualization solution for a given scenario

Security

- ➤ Select appropriate authentication and authorization mechanisms
- ➤ Apply data protection and encryption techniques
- ➤ Apply data governance and compliance controls

🔸 **Prerequisites:**
- A minimum of 5 years of experience with common data analytics technologies
- At least 2 years of hands-on experience working on AWS
- Experience and expertise working with AWS services to design, build, secure, and maintain analytics solutions
- Beginner Data science students and data analysts
- Anyone working with big data
- Beginners who want to full career in data analytics with machine learning within AWS ecosystem

🔸 **Who Can attend:**
- Students should have sufficient AWS knowledge and have 2 years or more experience with AWS
- Beginners can also learn from scratch but will have to go through extensive lectures
- Existing AWS power users
- AWS services are not free so you may incur charges from AWS and you are responsible

🔸 **Number of Hours: 40hrs**

🔸 **Certification: AWS Certified Data Analytics – Specialty (DAS-C01)**

🔸 **Key Features:**
- ➤ One to One Training
- ➤ Online Training
- ➤ Fastrack & Normal Track
- ➤ Resume Modification

- ➢ Mock Interviews
- ➢ Video Tutorials
- ➢ Materials
- ➢ Real Time Projects
- ➢ Virtual Live Experience
- ➢ Preparing for Certification

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