

AWS Certified Big Data - Specialty

EXAMINATION CONTENT OUTLINE

About AWS Exam

Exam Process

- **AWS Certification helps learners build credibility and confidence** by validating their cloud expertise with an industry-recognized credential and organizations identify skilled professionals to lead cloud initiatives using AWS.
- Organizations need individuals with cloud skills to help transform their business. **AWS Training and Certification helps you build and validate your cloud skills so you can get more out of the cloud.** Our content is built by experts at AWS and updated regularly to keep pace with AWS updates, so you can be sure you're learning the latest and keeping your cloud skills fresh.
- **We offer both digital and classroom training**, so you can choose to learn online at your own pace or learn best practices from an instructor. Whether you are just starting out, building on existing IT skills, or sharpening your cloud knowledge, AWS Training and Certification can help you be more effective and do more in the cloud.



Overview of AWS Certified Big Data - Specialty

The **AWS Certified Big Data - Specialty** exam validates technical skills and experience in designing and implementing AWS services to derive value from data. The examination is for individuals who perform complex Big Data analyses and validates an individual's ability to:

- Implement core AWS Big Data services according to basic architecture best practices
- Design and maintain Big Data
- Leverage tools to automate data analysis



Overview of AWS Certified Big Data - Specialty

The AWS Certified Big Data – Specialty (BDS-C00) examination is intended for individuals who perform complex Big Data analyses. This exam validates an examinee’s technical skills and experience in designing and implementing AWS services to derive value from data.

Recommended AWS Knowledge

- A minimum of 2 years’ experience using AWS technology
- AWS Security best practices
- Independently define AWS architecture and services and understand how they integrate with each other.
- Define and architect AWS big data services and explain how they fit in the data lifecycle of collection, ingestion, storage, processing, and visualization.

Recommended General IT Knowledge

- At least 5 years’ experience in a data analytics field
- Understand how to control access to secure data
- Understand the frameworks that underpin large scale distributed systems like Hadoop/Spark and MPP data warehouses
- Understand the tools and design platforms that allow processing of data from multiple heterogeneous sources with difference frequencies (batch/real-time)
- Capable of designing a scalable and cost-effective architecture to process data



AWS Certified Big Data - Specialty

Eligibility Requirements

Eligible candidates for this exam have:

- AWS Certified Cloud Practitioner or a current Associate-level certification: AWS Certified Solutions Architect - Associate, AWS Certified Developer - Associate or AWS Certified SysOps Administrator - Associate recommended
- Minimum five years hands-on experience in a data analytics field
- Background in defining and architecting AWS Big Data services with the ability to explain how they fit in the data life cycle of collection, ingestion, storage, processing, and visualization
- Experience in designing a scalable and cost-effective architecture to process data

AWS Certified Big Data – Specialty Application & Payment

Application registration

To register for an exam, sign in to aws.training and click “Certification” in the top navigation. Next, click “AWS Certification Account,” followed by “Schedule New Exam.”

You can access a list of the available testing centers in your area with available dates and times during the exam scheduling process. To view a full set of test centers, sign in to aws.training and click "Certification" in the top navigation. Next, click “AWS Certification Account,” followed by “Schedule and Manage Exams.” Enter your city or ZIP Code to see a list of available test centers near you.

We continually add new testing centers in the US and internationally. Contact [PSI](#) to request a testing center near you.

Payment:

Our test delivery vendor, PSI, accepts Visa, MasterCard, or American Express card numbers. Discover, Diner's Club, and JCB cards are currently not accepted.

Rescheduling/ Refund:

Rescheduling or cancelling a PSI exam within 48 hours of your exam time will result in a USD 60 fee. You will not be able to reschedule or cancel an exam within 24 hours of exam time. If you miss your scheduled exam appointment, you will forfeit the exam fee and are not eligible for a refund. A full refund is provided if you cancel your exam with more than 48 hours’ notice.

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Exam Pattern

Each certification candidate is required to pass a written examination that consists of multiple-choice questions. The available mode of languages: English, Japanese, Korean, Simplified Chinese.

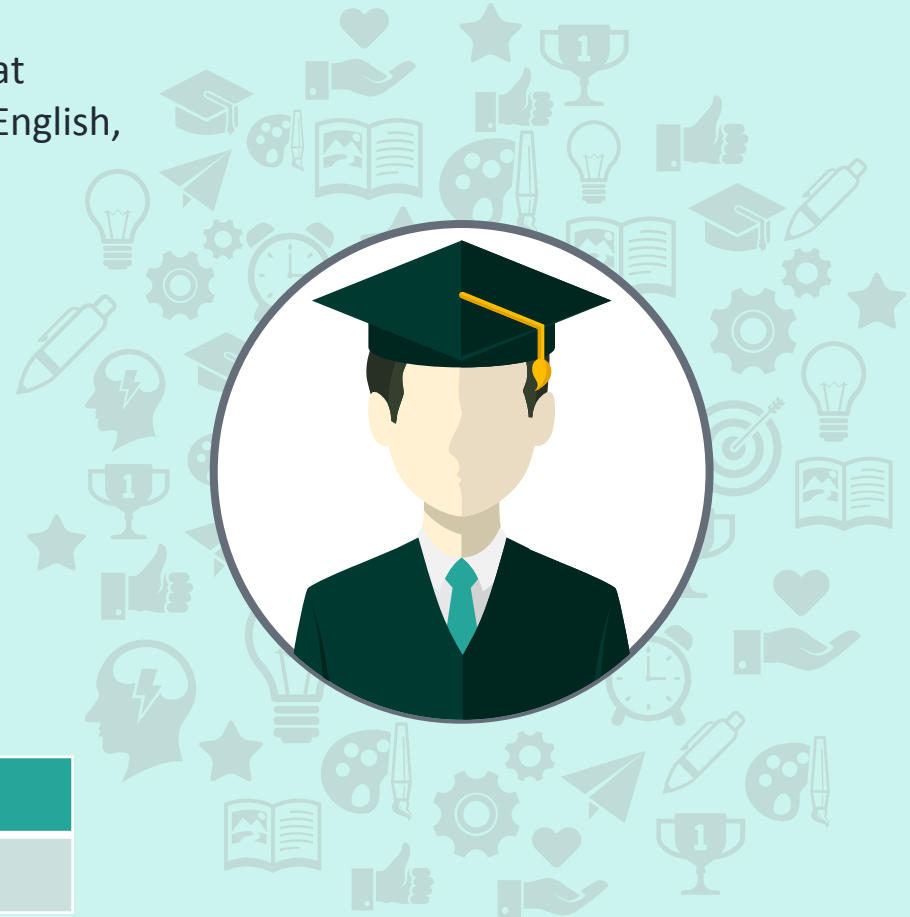
The duration of exam is 2 hours 50 minutes.

Response Types:

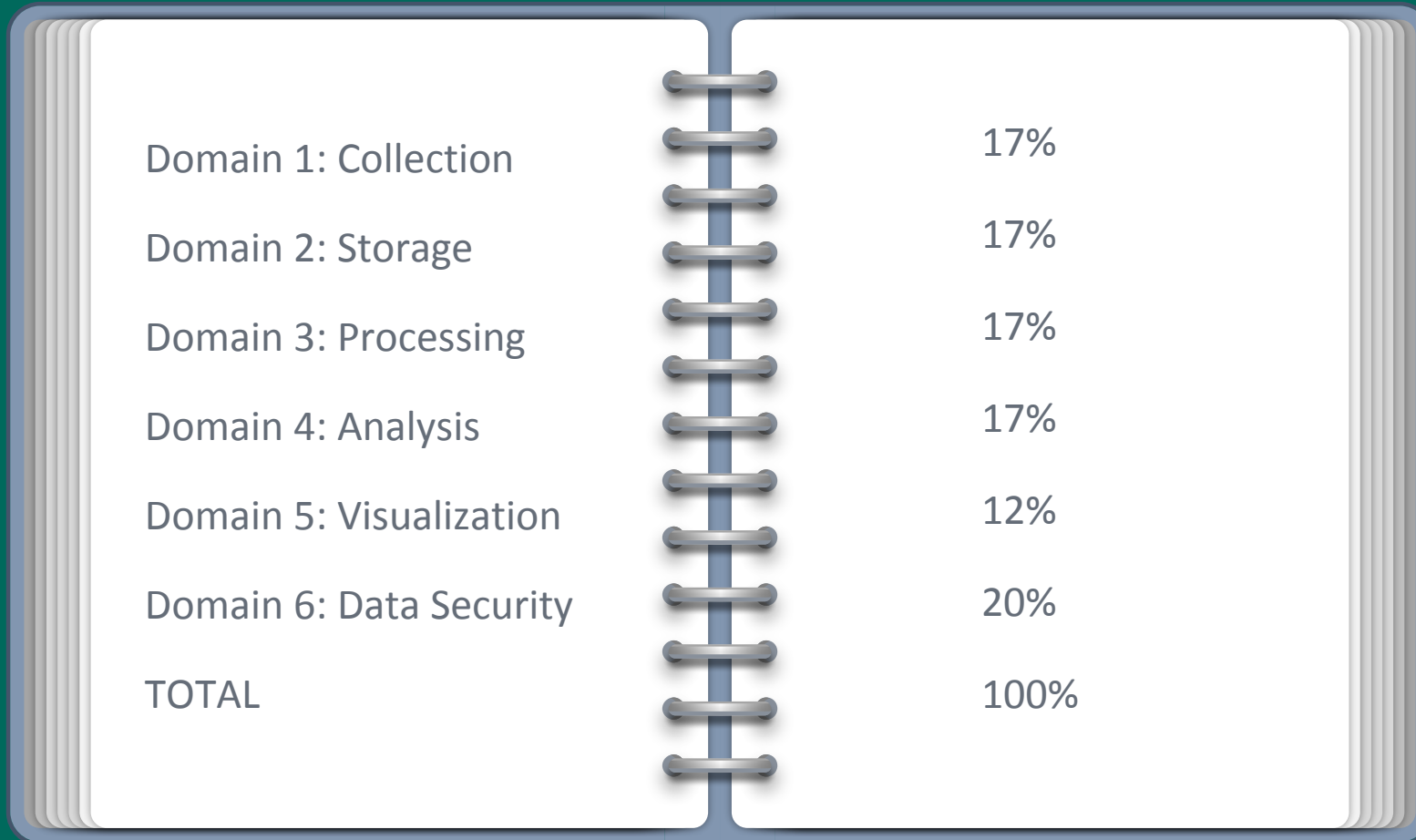
There are two types of questions on the examination:

- Multiple-choice: Has one correct response and three or four incorrect responses (distracters).
- Multiple-response: Has two or more correct responses out of five or more options.

Format	Duration
MCQs/ Multiple answer	170 minutes



AWS Certified Big Data – Specialty Blueprint



Domain 1: Collection	17%
Domain 2: Storage	17%
Domain 3: Processing	17%
Domain 4: Analysis	17%
Domain 5: Visualization	12%
Domain 6: Data Security	20%
TOTAL	100%

1. An administrator has a 500-GB file in Amazon S3. The administrator runs a nightly COPY command into a 10-node Amazon Redshift cluster. The administrator wants to prepare the data to optimize performance of the COPY command.

How should the administrator prepare the data?

- A. Compress the file using gz compression.
- B. Split the file into 500 smaller files.
- C. Convert the file format to AVRO.
- D. Split the file into 10 files of equal size.

Ans: B. Split the file into 500 smaller files

2. An administrator decides to use the Amazon Machine Learning service to classify social media posts that mention your company into two categories: posts that require a response and posts that do not. The training dataset of 10,000 posts contains the details of each post, including the timestamp, author, and full text of the post. You are missing the target labels that are required for training.

What architecture securely meets these requirements?

- A. What architecture securely meets these requirements?
- B. The mobile app should authenticate with an Amazon Cognito identity that is authorized to write to an Amazon Kinesis Firehose with an Amazon S3 destination.
- C. The mobile app should authenticate with an embedded IAM access key that is authorized to write to an Amazon Kinesis Firehose with an Amazon S3 destination.
- D. The mobile app should call a REST-based service that stores data on Amazon EBS. Deploy the service on multiple EC2 instances across two Availability Zones.

Ans: B. The mobile app should authenticate with an Amazon Cognito identity that is authorized to write to an Amazon Kinesis Firehose with an Amazon S3 destination.

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