

AWS Data Analytics Certification DAS-C01 Prep

AWS DAS-C01 Data Analytics. Kinesis, Glue, Redshift, and data pipeline architecture.

IT Certifications Instructor: Brian Taylor • 5 sections • 47 lessons • 16.50h total

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About this course

This course prepares you for the AWS Data Analytics (DAS-C01) exam. We cover Kinesis, Glue, Redshift, QuickSight, and data pipeline architecture.

You will learn through hands-on labs, real analytics scenarios, and practice exams. The course includes video lessons and downloadable study guides.

Course curriculum

Foundations and Exam Overview

- **Understanding the DAS-C01 Exam Blueprint (12m)**
Break down the exam domains and weightings so you know exactly what to focus on. Learn how to map the blueprint to your current knowledge.
- **Setting Up Your AWS Exam Environment (18m)**
Step-by-step guide to configuring your AWS account for practice. Includes cost-saving tips and free tier usage for labs.
- **Key Data Analytics Concepts for the Exam (15m)**
Review essential data lake, streaming, and warehousing concepts. We'll connect theory to practical exam questions.
- **How the Exam is Structured and Scoring (8m)**
Understand question types, time management, and scoring. Learn strategies to approach multiple-choice and scenario-based questions.
- **Building Your Study Plan for Success (10m)**
Create a realistic study timeline with milestones. Includes downloadable templates to track your progress.
- **Common Pitfalls and How to Avoid Them (14m)**
Learn from others' mistakes. We'll cover common misconceptions and tricky areas that trip up candidates.
- **Introduction to Core AWS Data Services (22m)**
Get a high-level overview of Kinesis, Glue, Redshift, Athena, and more. Understand their roles in the data analytics ecosystem.

Core Data Analytics Services Deep Dive

- **AWS Kinesis: Streaming Data Mastery (25m)**
Hands-on guide to Kinesis Data Streams and Firehose. Learn configuration, scaling, and cost optimization for the exam.
- **AWS Glue: ETL and Data Catalog Essentials (28m)**
Step-by-step walkthrough of Glue jobs, crawlers, and the Data Catalog. Includes real ETL problem-solving scenarios.
- **Amazon Redshift: Data Warehousing Fundamentals (32m)**
Deep dive into Redshift clusters, distribution styles, and query optimization. Practical tips for exam performance.
- **Amazon Athena: Serverless Querying Made Simple (18m)**
Learn how to query S3 data with Athena, partition data, and optimize costs. Includes a case study on log analysis.
- **AWS Lake Formation: Governing Your Data Lake (20m)**
Understand security and governance for data lakes. Learn how Lake Formation integrates with other services.

- **Amazon EMR: Processing Big Data at Scale (30m)**
Explore EMR clusters, Hadoop, and Spark. We'll cover exam scenarios for processing large datasets.
- **Amazon QuickSight: Visualization and BI (16m)**
Learn to create dashboards and reports. Understand how QuickSight connects to other AWS data services.
- **Amazon OpenSearch Service: Search and Analytics (22m)**
Master OpenSearch for log analytics and real-time search. Includes cluster management and security topics.
- **AWS Data Pipeline: Orchestration Basics (14m)**
Understand pipeline components and when to use them. Compare with Glue and Step Functions for the exam.
- **Amazon Kinesis Data Analytics: Real-Time Processing (26m)**
Dive into SQL and Flink applications for streaming analytics. Practical examples for exam questions.

Integration and Security Scenarios

- **Integrating Services: Building End-to-End Pipelines (35m)**
Real case study: From ingestion to visualization. Learn how services work together in production.
- **IAM and Security for Data Analytics (24m)**
Step-by-step guide to policies, roles, and encryption. Protect your data and prepare for security exam questions.
- **VPC and Network Isolation for Data Services (20m)**
Learn how to configure VPC endpoints and security groups. Includes a troubleshooting session.
- **Cost Optimization Strategies for Analytics (18m)**
Practical tips to reduce costs in Kinesis, Glue, and Redshift. Downloadable cost calculator template.
- **Monitoring and Logging with CloudWatch (15m)**
Set up alarms and dashboards for your data services. Learn what to monitor for exam scenarios.
- **Data Governance and Compliance (22m)**
Understand GDPR, HIPAA, and AWS compliance tools. Real-world governance case study.
- **Backup and Disaster Recovery Planning (16m)**
Learn backup strategies for Redshift, Glue, and S3. Prepare for exam questions on RPO and RTO.

Advanced Exam Strategies and Practice

- **Tackling Scenario-Based Questions (20m)**
Learn a framework for breaking down complex scenarios. Practice with real exam-style questions.
- **Time Management During the Exam (12m)**
Strategies to pace yourself and avoid rushing. Includes a timed practice quiz.
- **Analyzing Exam Dumps Ethically (2026 Edition) (18m)**
How to use practice questions without violating AWS policies. Focus on learning, not memorization.
- **Hands-On Lab: Build a Data Pipeline (40m)**
Step-by-step lab to create a pipeline using Kinesis, Glue, and Athena. Includes downloadable code snippets.
- **Practice Exam 1: Full-Length Simulation (38m)**
Take a timed practice test with detailed explanations for each answer. Identify your weak areas.

- **Practice Exam 2: Focus on Weak Domains (35m)**
Targeted practice based on your first exam results. Includes performance analytics.
- **Reviewing and Learning from Mistakes (15m)**
A systematic approach to analyzing wrong answers. Create an error log for your final review.
- **Advanced Troubleshooting Scenarios (28m)**
Real-world problems and solutions. Learn how to diagnose and fix issues in data services.
- **Exam Day Checklist and Mindset (10m)**
What to do the night before and on exam day. Mental preparation tips for success.
- **Final Review: High-Impact Topics (25m)**
Cram session focusing on the most frequently tested concepts. Includes quick-reference guides.

Implementation and Beyond Certification

- **Applying Your Knowledge to Real Projects (22m)**
How to transition from exam prep to real-world implementation. Case study from a production environment.
- **Building a Portfolio with AWS Projects (18m)**
Step-by-step guide to showcasing your skills. Includes templates for project documentation.
- **Staying Current with AWS Updates (14m)**
Strategies to keep up with new features and services. Set up alerts and follow AWS re:Invent highlights.
- **Preparing for AWS Specialty Certifications (16m)**
Next steps after DAS-C01. Overview of Machine Learning, Analytics, and other specialty paths.
- **Networking and Community Involvement (12m)**
How to join AWS user groups and forums. Learn from peers and share your knowledge.
- **Career Advancement with AWS Certification (15m)**
Tips for updating your resume and LinkedIn. How to leverage certification for job opportunities.
- **Continuous Learning Plan for Data Professionals (20m)**
Create a long-term learning roadmap. Includes resources for ongoing skill development.
- **Troubleshooting Common Post-Certification Challenges (18m)**
Address real issues faced after passing the exam. Solutions for implementation hurdles.
- **Automating Your Data Workflows with AWS (25m)**
Step-by-step guide to using Step Functions and EventBridge for automation. Includes a downloadable workflow template.
- **Advanced Cost Management for Analytics (22m)**
Deep dive into cost allocation tags, budgets, and optimization tools. Real savings case study.
- **Security Best Practices for Production (20m)**
Implementing least privilege, encryption, and auditing. Practical checklist for secure deployments.
- **Performance Tuning for High-Volume Data (28m)**
Optimize Redshift, Athena, and Glue for performance. Includes benchmarking techniques.
- **Final Project: End-to-End Analytics Solution (45m)**
Build a complete project from scratch. Includes all services covered and a review checklist.

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