AWS Ramp-Up Guide: Data Analytics

For developers and data engineers

AWS Training and Certification builds your competence, confidence, and credibility through practical cloud skills that help you innovate and build your future. Use this go-to reference guide to ramp up your knowledge of fundamentals, concepts, and best practices for deriving value from data in the AWS Cloud. You'll find free digital training offerings, classroom courses, videos, whitepapers, certifications, and other resources. It's all selected by AWS experts to teach you in-demand cloud skills and the real-world knowledge you can use right away to grow your career. To enroll in training and certification exams, and track your progress, visit aws.training and set up a free account.

Phase	Recommended Learning Resource	Duration	Type
Phase 0 Learn the fundamentals of AWS Cloud	– What is Cloud Computing? – Overview of AWS – *AWS Cloud Practitioner Essentials (Second Edition)* free digital course or classroom course – Cloud Computing with AWS – AWS Glossary with definitions of key terms and concepts – Job Roles in the Cloud free digital course – AWS Pricing – How AWS Pricing Works – Compare AWS Support Plans – AWS Cloud Security – AWS Shared Responsibility Model free digital course – Shared Responsibility Model	10 minutes 2 hours 6+ hours 10 minutes 30 minutes 30 minutes 15 minutes 45 minutes 5 minutes 10 minutes 10 minutes 5 minutes	Webpage Whitepaper Training Webpage Whitepaper Training Webpage Whitepaper Whitepaper Webpage Training Webpage
Phase 1 Learn AWS data analytics service fundamentals	– AWS Data Lakes and Analytics – AWS Analytics Services Overview free digital course – Introduction to Amazon Kinesis Streams free digital course – Introduction to Amazon Kinesis Firehose free digital course – Introduction to Amazon Kinesis Analytics free digital course – Introduction to Amazon Elastic MapReduce (EMR) free digital course – Introduction to Amazon Athena free digital course – Introduction to Amazon Quicksight free digital course – Visualizing with Quicksight free digital course – Introduction to AWS IoT Analytics free digital course	15 minutes 5 minutes 15 minutes 10 minutes 10 minutes 15 minutes 10 minutes 10 minutes 35 minutes 30 minutes	Webpage Training Training Training Training Training Training Training Training Training
Phase 2 Learn AWS Data Analytics Cloud concepts and best practices	– Data Analytics Fundamentals free digital course – Big Data Analytics Options on AWS – Big Data on AWS live/virtual classroom course – Data Warehousing on AWS live/virtual classroom course – Deep Dive into Concepts and Tools for Analyzing Streaming Data free digital course – Amazon EMR Migration Guide: Move Apache Spark and Hadoop to AWS	3.5 hours 1 hour 3 days 3 days 35 minutes 1 hour	Training Whitepaper Training Training Training Whitepaper

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Phase	Recommended Learning Resource	Duration	Type
Phase 2 continued	– Best Practices for Data Warehousing with Amazon Redshift free digital course – Serverless Analytics free digital course – Why Analytics for Games free digital course	30 minutes 25 minutes 1 hour	Training Training Training
Phase 3 Prepare for and take the AWS Certified Data Analytics – Specialty certification exam	– *Exam Readiness*: *AWS Certified Data Analytics – Specialty* free digital course – AWS Certified Data Analytics – Specialty Exam Guide and sample questions – Timed practice exam at aws.training – AWS Certified Data Analytics – Specialty certification exam (recommended for those with two or more years of hands-on experience with AWS)	3.5 hours 1 hour 4 hours 4 hours 3 hours	Training Guide Training Exam Exam
Phase 4 Explore additional resources	– Learning Library at aws.training: Continue to learn by exploring our extensive portfolio of free digital training and classroom training. Filter according to your preferences, or find a specific course using the "Search" box. – AWS User Group: Join and connect with AWS users all over the world to share ideas and learn. – AWS Events and Webinars: Connect with, collaborate with, and learn from AWS experts. Key events include AWS re:Invent, AWS re:Inforce, and AWS Summits. – AWS Podcast: Listen and learn about AWS – AWS Blog: Read about the latest launches from AWS Technical Evangelist Jeff Barr and others. – What's New with AWS: Stay up to date on the latest announcements from AWS.	30 minutes 10 minutes 10 minutes 10 minutes 20 minutes 10 minutes	Training User Group Events / Webinars Podcast Blog Webpage

For a training plan customized for your requirements, contact your AWS Account Manager or contact us at aws.amazon.com/contact-us/aws-training/.

We would love to hear from you. Provide your feedback on this AWS Ramp-Up Guide here.

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