AWS Ramp-Up Guide: Data Analytics

For AWS Cloud architects, solutions architects, and engineers

aws training and certification

Developers and data engineers will learn how to design, build, secure, and maintain analytics solutions. You'll also learn the fastest way to get answers to your users' questions from your data. This guide can also help prepare you for the AWS Certified Data Analytics – Specialty certification exam. If you're interested specifically in digital courses and labs to help you develop these skills, explore the Data Analytics Learning Plan at **explore.skillbuiler.aws** and search under Courses and Learning Plans. To provide suggestions on Ramp-Up Guides, please contact **rampupguides@amazon.com.**

Learn the fundamentals of AWS Cloud

Learning Resource	Duration	Type
AWS Ramp-Up Guide: Cloud Essentials		Ramp-Up Guide

Step 1: Learn AWS Data Analytics service fundamentals

Learning Resource	Duration	Type
AWS Data Lakes and Analytics	15 minutes	Webpage »
Introduction to Amazon Kinesis Streams	10 minutes	Digital Training »
Introduction to Amazon Kinesis Analytics	10 minutes	Digital Training »
Getting Started with Amazon EMR	60 minutes	Digital Training »
Getting Started with AWS Glue	60 minutes	Digital Training »
Introduction to Amazon Athena	10 minutes	Digital Training »
Introduction to Amazon QuickSight	18 minutes	Digital Training »
Visualizing with QuickSight	4 hours	Digital Training »
Introduction to AWS IoT Analytics	30 minutes	Digital Training »

Step 2: Learn AWS Data Analytics Cloud concepts and best practices

Learning Resource	Duration	Type
Data Analytics Fundamentals	3.5 hours	Digital Training »
Analyze Big Data with Hadoop	1 hour	Self-paced Lab
Exploring Google Ngrams with Amazon EMR and Hive	70 minutes	Self-paced Lab
Big Data Analytics Options on AWS	2.5 hours	Whitepaper »
AWS Hadoop Fundamentals	90 minutes	Digital Training »
Building Data Lakes on AWS	1 day	Classroom Training »
Building Batch Data Analytics Solutions on AWS	1 day	Classroom Training »

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Introduction to Amazon Redshift	1 hour 15 minutes	Self-paced Lab
Building Data Analytics Solutions using Amazon Redshift	1 day	Classroom Training »
Data Warehousing on AWS	3 days	Classroom Training »
Using Tableau Desktop with Amazon Redshift	1 hour 10 minutes	Self-paced Lab
Deep Dive into Concepts and Tools for Analyzing Streaming Data	35 minutes	Digital Training »
Introduction to Amazon Kinesis Data Analytics for Java Applications	15 minutes	Digital Training »
Building Streaming Data Analytics Solutions on AWS	1 day	Classroom Training »
Amazon EMR Migration Guide: Move Apache Spark and Hadoop to AWS	14 hours	Whitepaper »
Building Search into your Applications with Amazon CloudSearch	1 hour 55 mins	Self-paced Lab
Serverless Analytics	25 minutes	Digital Training »

Step 3: Prepare for and take the AWS Certified Data Analytics – Specialty Certification Exam		
Learning Resource	**Duration**	**Type**
Exam Readiness: AWS Certified Data Analytics – Specialty	3.5 hours	Digital Training »
AWS Certified Data Analytics – Specialty exam guide	1 hour	Exam Guide »
AWS Certified Data Analytics – Specialty sample questions	4 hours	Sample Questions »
AWS Certified Data Analytics – Specialty practice exam	4 hours	Practice Exam »
AWS Certified Data Analytics – Specialty exam	3 hours	Exam »

Explore additional resources		
Learning Resource	**Description**	**Type**
Architecture Best Practices for Analytics & Big Data	Learn architecture best practices for cloud data analysis, data warehousing, and data management on AWS.	Explore »
Learning Library	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.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	Explore »

AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts. Key events include AWS.	Explore »
AWS Podcast	Listen and learn about AWS.	Explore »
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	Explore »
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	Explore »
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	Explore »
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	Explore »
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	Explore »
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	Explore »
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	Explore »

For a training plan customized for your requirements, contact your AWS Account Manager or contact us **here**

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