AWS Ramp-Up Guide: Data Analytics

For Developers and Data Engineers

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AWS Training and Certification has created this and other **AWS Ramp-Up Guides** to help build your knowledge of the AWS Cloud. Each expertly curated guide features free digital training, classroom courses, videos, whitepapers, certifications, and other information you're looking for. To enroll in training and certification exams, and track your progress, visit **aws.training** and set up a free account. To provide suggestions on Ramp-Up Guides, please contact **rampupguides@amazon.com**.

Learn the fundamentals of the AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
AWS Ramp-Up Guide: Cloud Practitioner	10 minutes	Ramp-Up Guide »

Step 1: Learn AWS Data Analytics service fundamentals

LEARNING RESOURCE	DURATION	TYPE
AWS Data Lakes and Analytics	15 minutes	Webpage »
AWS Analytics Services Overview	5 minutes	Digital Training »
Introduction to Amazon Kinesis Streams	15 minutes	Digital Training »
Introduction to Amazon Kinesis Firehose	10 minutes	Digital Training »
Introduction to Amazon Kinesis Analytics	10 minutes	Digital Training »
Introduction to Amazon Elastic MapReduce (EMR)	15 minutes	Digital Training »
Introduction to Amazon Athena	10 minutes	Digital Training »
Introduction to Amazon QuickSight	10 minutes	Digital Training »
Visualizing with QuickSight	4 hours	Digital Training »
Introduction to AWS IoT Analytics	30 minutes	Digital Training »

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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 »
Big Data on AWS	3 days	Classroom Training »
Introduction to Amazon Redshift	40 minutes	Self-Paced Lab »
Data Warehousing on AWS	3 days	Classroom Training »
Using Tableau Desktop with Amazon Redshift	70 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 »
Amazon EMR Migration Guide: Move Apache Spark and Hadoop to AWS	14 hours	Whitepaper »
Best Practices for Data Warehousing with Amazon Redshift	30 minutes	Digital Training »
Building Search into your Applications with Amazon CloudSearch	1 hour 55 mins	Self-Paced Lab »
Serverless Analytics	25 minutes	Digital Training »
Why Analytics for Games	1 hour	Digital Training »

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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 »

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Explore additional resources

LEARNING RESOURCE	DESCRIPTION	
Architecture Best Practices for Analytics & Big Data	Learn architecture best practices for cloud data analysis, data warehousing, and data management.	Explore »
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, guides, reference material, and architecture diagrams.	Explore »
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events and Webinars	Connect with, collaborate with, and learn from AWS experts.	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 common Product and Technical 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.

Contact us

We would love to hear from you.
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