

AWS Ramp-Up Guide: Data Analytics

For Developers and Data Engineers

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 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.

Learn the fundamentals of AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
What is Cloud Computing?	10 min	Webpage »
Overview of AWS	2 hours	Whitepaper »
AWS Cloud Practitioner Essentials (Second Edition)	6+ hours	Digital Training » Classroom Training »
Cloud Computing with AWS	10 min	Webpage »
AWS Glossary	30 min	Whitepaper »
Job Roles in the Cloud	30 min	Training »

Step 1: Learn AWS Data Analytics service fundamentals

LEARNING RESOURCE	DURATION	TYPE
AWS Data Lakes and Analytics	15 min	Webpage »
AWS Analytics Services Overview	5 min	Training »
Introduction to Amazon Kinesis Streams	10 min	Training »
Introduction to Amazon Kinesis Firehose	10 min	Training »
Introduction to Amazon Kinesis Analytics	10 min	Training »
Introduction to Amazon Elastic MapReduce (EMR)	15 min	Training »

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Step 1: Learn AWS Data Analytics service fundamentals

LEARNING RESOURCE	DURATION	TYPE
Introduction to Amazon Athena	10 min	Training »
Introduction to Amazon QuickSight	10 min	Training »
Visualizing with QuickSight	35 min	Training »
Introduction to AWS IoT Analytics	30 min	Training »

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

LEARNING RESOURCE	DURATION	TYPE
Data Analytics Fundamentals	3.5 hours	Training »
Big Data Analytics Options on AWS	1 hour	Whitepaper »
Big Data on AWS	3 days	Training »
Data Warehousing on AWS	3 days	Training »
Deep Dive into Concepts and Tools for Analyzing Streaming Data	35 min	Training »
Amazon EMR Migration Guide: Move Apache Spark and Hadoop to AWS	1 hour	Whitepaper »
Best Practices for Data Warehousing with Amazon Redshift	30 min	Training »
Serverless Analytics	25 min	Training »
Why Analytics for Games	1 hour	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	Training »
AWS Certified Data Analytics – Specialty Prep Materials	1 hour 4 hours	Exam Guide » Sample Questions »
AWS Certified Data Analytics – Specialty Practice exam	4 hours	Practice Exam »
AWS Certified Data Analytics – Specialty Certification Exam	3 hours	Certification Exam »

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Explore additional resources

LEARNING RESOURCE	DESCRIPTION	
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	Authored by AWS and the AWS community, explore technical whitepapers, technical guides, reference material, and reference 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. 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 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,
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