

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.

Learn the fundamentals of AWS Cloud

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

Step 1: Learn AWS Machine Learning fundamentals

LEARNING RESOURCE	DURATION	TYPE
<i>Demystifying AI/ML/DL</i>	45 minutes	Digital Training »
<i>Machine Learning for Leaders</i>	10 minutes	Digital Training »
<i>Machine Learning for Business Challenges</i>	1 hour	Digital Training »
<i>ML Building Blocks: Services and Terminology</i>	40 minutes	Digital Training »

Step 1: Learn AWS Machine Learning fundamentals

LEARNING RESOURCE	DURATION	TYPE
<i>Process Model: CRISP-DM on the AWS Stack</i>	50 minutes	Digital Training »
Machine Learning Foundations: Evolution of ML and AI	1 hour	Whitepaper »
AWS Machine Learning	30 minutes	Webpage »
<i>Exploring the Machine Learning Toolset</i>	80 minutes	Digital Training »
<i>Math for Machine Learning</i>	8 hours	Digital Training »
<i>The Elements of Data Science</i>	8 hours	Digital Training »

Step 2: Learn AWS Machine Learning cloud concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
Managing Machine Learning Projects	1 hour	Whitepaper »
Power Machine Learning at Scale	1 hour	Whitepaper »
<i>Machine Learning Data Readiness</i>	1 hour	Digital Training »
<i>Machine Learning Security</i>	30 minutes	Digital Training »
<i>Developing Machine Learning Applications</i>	2.5 hours	Digital Training »
<i>Amazon SageMaker: Build an Object Detection Model Using Images Labeled with Ground Truth</i>	70 minutes	Digital Training »
<i>Practical Data Science with Amazon SageMaker</i>	1 day	Digital Training »
<i>Amazon SageMaker: Simplifying ML Application Development</i>	4 weeks	Digital Training »

Step 2: Learn AWS Machine Learning cloud concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
Amazon SageMaker Technical Deep Dive Series	2.5 hours	Video »
Deep Learning on AWS Technical Guide	1 hour	Guide »
<i>Deep Learning on AWS</i>	1 day	Classroom Training »
<i>Big Data on AWS</i>	3 days	Classroom Training »
<i>Data Science Capstone: Real World Machine Learning Decisions</i>	50 minutes	Digital Training »
AWS Machine Learning blog	5 minutes	Blog »

Step 3: Prepare for and take the AWS Certified Machine Learning – Specialty certification exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Machine Learning – Specialty</i>	3.5 hours 1 day	Digital Training » Classroom Training »
AWS Certified Machine Learning – Specialty exam prep materials	1 hour 4 hours	Exam Guide » Sample Questions »
AWS Certified Machine Learning – Specialty practice exam	4 hours	Practice Exam »
AWS Certified Machine Learning – Specialty Certification exam	3 hours	Certification Exam »

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	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 »

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