

# AWS Ramp-Up Guide: Storage

For architects, developers, and storage, operations, 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 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	<a href="#">Ramp-Up Guide »</a>

## Step 2: Learn about AWS Storage

LEARNING RESOURCE	DURATION	TYPE
Cloud Storage on AWS	30 minutes	<a href="#">Webpage »</a>
<i>AWS Storage Offerings</i>	100 mins	<a href="#">Digital Training »</a>
<i>Architecting on AWS</i>	3 days	<a href="#">Classroom Training »</a>
AWS Storage Blog	1 hour	<a href="#">Webpage »</a>
AWS Storage Virtual Workshop	7.5 hours	<a href="#">Webpage »</a>

## Step 3: Learn about AWS object storage

LEARNING RESOURCE	DURATION	TYPE
<i>Getting Started with Amazon Simple Storage Service (Amazon S3)</i>	2.5 hours	<a href="#">Digital Training »</a>
<i>Amazon Simple Storage Service (Amazon S3) Storage Classes Deep Dive</i>	60 minutes	<a href="#">Digital Training »</a>
<i>Amazon Simple Storage Service (Amazon S3) Cost Optimization</i>	60 minutes	<a href="#">Digital Training »</a>
<i>Auditing Amazon Simple Storage Service (Amazon S3) Security</i>	60 minutes	<a href="#">Digital Training »</a>
<i>Deep Dive into Amazon Simple Storage Service (Amazon S3)</i>	11.5 hours	<a href="#">Digital Training »</a>

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## Step 3 continued: Learn about AWS object storage

LEARNING RESOURCE	DURATION	TYPE
Best Practices Design Patterns: Optimizing Amazon S3 Performance	20 minutes	<a href="#">Whitepaper »</a>
Building Big Data Storage Solutions (Data Lakes) for Maximum Flexibility	45 minutes	<a href="#">Whitepaper »</a>
AWS Storage Optimization	30 minutes	<a href="#">Whitepaper »</a>
Amazon Simple Storage Service (S3)	2+ hours	<a href="#">Documentation »</a>

## Step 4: Learn about AWS file storage

LEARNING RESOURCE	DURATION	TYPE
Moving to Managed File Systems	30 minutes	<a href="#">Whitepaper »</a>
<i>Introduction to Amazon FSx for Windows File Server</i>	20 minutes	<a href="#">Digital Training »</a>
<i>Introduction to Amazon FSx for Lustre</i>	10 minutes	<a href="#">Digital Training »</a>
<i>Amazon FSx for Windows File Server Primer</i>	1 hour	<a href="#">Digital Training »</a>
<i>Amazon FSx for Lustre Primer</i>	1 hour	<a href="#">Digital Training »</a>
<i>Amazon Elastic File System (Amazon EFS) Primer</i>	30 minutes	<a href="#">Digital Training »</a>
<i>Deep Dive into Amazon Elastic File System (Amazon EFS)</i>	1 hour	<a href="#">Digital Training »</a>
Amazon Elastic File System: Choosing Between Different Throughput and Performance Modes	30 minutes	<a href="#">Whitepaper »</a>
AWS Storage Optimization	30 minutes	<a href="#">Whitepaper »</a>
Amazon Elastic File System Performance	1 hour 20 mins	<a href="#">Self-Paced Lab »</a>
Amazon Elastic File System (EFS)	2+ hours	<a href="#">Documentation »</a>
Amazon FSx	2+ hours	<a href="#">Documentation »</a>

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## Step 5: Learn about AWS block storage

LEARNING RESOURCE	DURATION	TYPE
Introduction to Elastic Block Store (Amazon EBS)	1.5 hours	<a href="#">Self-Paced Lab »</a>
Amazon Elastic Block Store (Amazon EBS) Primer	2.5 hours	<a href="#">Digital Training »</a>
<i>Deep Dive into Amazon Elastic Block Store (Amazon EBS)</i>	1.5 hours	<a href="#">Digital Training »</a>
AWS Storage Optimization	30 minutes	<a href="#">Whitepaper »</a>
Amazon Elastic Block Store (EBS)	2+ hours	<a href="#">Documentation »</a>

## Step 6: Learn about AWS backup and disaster recovery

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to AWS Backup</i>	20 minutes	<a href="#">Digital Training »</a>
<i>Introduction to Backup and Restore with AWS</i>	1.5 hours	<a href="#">Digital Training »</a>
<i>CloudEndure Disaster Recovery Technical Training</i>	1.5 hours	<a href="#">Digital Training »</a>
AWS Backup	2+ hours	<a href="#">Documentation »</a>
CloudEndure Disaster Recovery	2+ hours	<a href="#">Documentation »</a>

## Step 7: Learn about AWS data transfer

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to AWS Storage Gateway</i>	20 minutes	<a href="#">Digital Training »</a>
<i>AWS Storage Gateway Primer: File Gateway</i>	1.5 hours	<a href="#">Digital Training »</a>
<i>AWS Storage Gateway Primer: Volume Gateway</i>	1.5 hours	<a href="#">Digital Training »</a>
<i>AWS Storage Gateway Primer: Tape Gateway</i>	100 minutes	<a href="#">Digital Training »</a>

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## Step 7 continued: Learn about AWS data transfer

LEARNING RESOURCE	DURATION	TYPE
<i>AWS DataSync Primer</i>	1 hour	<a href="#">Digital Training »</a>
<i>AWS Transfer Family (SFTP, FTPS, FTP) Primer</i>	50 minutes	<a href="#">Digital Training »</a>
<i>Deep Dive into AWS Storage Gateway</i>	3 hours	<a href="#">Digital Training »</a>
Storage Gateway: File Gateway Network Configuration	2 hours	<a href="#">Self-Paced Lab »</a>
Hybrid Storage and Data Migration with AWS Storage Gateway File Gateway	1 hour	<a href="#">Self-Paced Lab »</a>
AWS Storage Gateway	2+ hours	<a href="#">Documentation »</a>
AWS DataSync	2+ hours	<a href="#">Documentation »</a>
AWS Transfer Family	2+ hours	<a href="#">Documentation »</a>

## Step 8: Learn about AWS edge computing and storage

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to AWS Snowball Edge</i>	25 minutes	<a href="#">Digital Training »</a>
<i>Introduction to AWS Snowmobile</i>	5 minutes	<a href="#">Digital Training »</a>
<i>AWS Snowball Edge Getting Started</i>	105 minutes	<a href="#">Digital Training »</a>
<i>AWS Snowball Edge Logistics and Planning</i>	85 minutes	<a href="#">Digital Training »</a>
<i>AWS Snowball Edge: Using Snowball Edge</i>	4 hours	<a href="#">Digital Training »</a>
<i>AWS Snowcone Getting Started</i>	50 minutes	<a href="#">Digital Training »</a>
<i>AWS Snowcone Logistics and Planning</i>	90 minutes	<a href="#">Digital Training »</a>
<i>Using AWS Snowcone</i>	75 minutes	<a href="#">Digital Training »</a>
AWS Snow Family	2+ hours	<a href="#">Documentation »</a>

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Explore additional resources		
LEARNING RESOURCE	DESCRIPTION	
Architecture Best Practices for Storage	Learn how to leverage AWS object storage, file storage, and block storage services, and backup and data migration options to build the foundation of your cloud IT architecture.	<a href="#">Explore »</a>
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.	<a href="#">Explore »</a>
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	<a href="#">Explore »</a>
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	<a href="#">Explore »</a>
AWS Events and Webinars	Connect with, collaborate with, and learn from AWS experts.	<a href="#">Explore »</a>
AWS Podcast	Listen and learn about AWS.	<a href="#">Explore »</a>
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	<a href="#">Explore »</a>
AWS Knowledge Center	Review AWS Support’s responses to AWS customers’ most frequently asked questions.	<a href="#">Explore »</a>
AWS FAQs	Find answers to common Product and Technical frequently asked questions.	<a href="#">Explore »</a>
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	<a href="#">Explore »</a>
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	<a href="#">Explore »</a>
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	<a href="#">Explore »</a>
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	<a href="#">Explore »</a>

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.**  
Provide your feedback on this AWS Ramp-Up Guide.

Provide feedback