

This guide helps financial services business and tech leaders, developers, and cloud architects explore and learn about the resources available to deploy and scale their business in the cloud. You'll learn about how to deploy and innovate for financial technology leveraging AWS security and compliance features, data lakes and analytics services, artificial intelligence and machine learning (AI/ML), and grid computing along with further learning and links to webpages, blog posts, and whitepaper resources all in this ramp-up guide. To provide suggestions on Ramp-Up Guides, please contact rampupguides@amazon.com.

Learn the fundamentals of AWS Cloud

Learning Resource	Duration	Type
Case Studies for Financial Services	10 minutes	Webpage »
What is Cloud Computing?	10 minutes	Webpage »
Overview of AWS	2 hours	Whitepaper »
AWS Cloud Practitioner Essentials (Second Edition)	6 hours	Digital Training »
	1 day	Classroom Training »
Cloud Computing with AWS	10 minutes	Webpage »
AWS Glossary	30 minutes	Whitepaper »
Job Roles in the Cloud	30 minutes	Digital Training »
AWS Pricing	15 minutes	Webpage »
How AWS Pricing Works	45 minutes	Whitepaper »

Step 1: Security and Compliance for Financial Services

Learning Resource	Duration	Type
AWS Compliance Center	10 minutes	Webpage »
Compliance Resources	15 minutes	Webpage »
AWS Compliance Solutions Guide	15 minutes	Webpage »
How Banks Can Use AWS to Meet Compliance	20 minutes	Blogpost »
Payment Card Industry Data Security Standard (PCI DSS) 3.2.1 on AWS	30 minutes	Whitepaper »
Getting Started with AWS Security, Identity, and Compliance	3 hours	Digital Training »

Introduction to AWS Artifact	10 minutes	Digital Training »
Introduction to Amazon CloudFront	10 minutes	Digital Training »
Introduction to Amazon API Gateway	10 minutes	Digital Training »
AWS Lambda Foundations	60 minutes	Digital Training »

Step 2: Data Lakes and Analytics for Financial Services

Learning Resource	Duration	Type
AWS Data Lakes and Analytics for Financial Services	20 minutes	Webpage »
Data Analytics Fundamentals	3.5 hours	Digital Training »
Introduction to Amazon Elastic MapReduce (EMR)	15 minutes	Digital Training »
Introduction to Amazon Kinesis Analytics	10 minutes	Digital Training »
Introduction to Amazon Kinesis Streams	15 minutes	Digital Training »
Amazon Simple Storage Service - Closer look - Part 1	20 minutes	Digital Training »
Amazon Simple Storage Service - Closer look - Part 2	20 minutes	Digital Training »
Introduction to Amazon Athena	10 minutes	Digital Training »
Amazon Redshift Service Primer	20 minutes	Digital Training »
Introduction to Amazon Quicksight	10 minutes	Digital Training »

Step 3: Artificial Intelligence & Machine Learning (AI/ML) for Financial Services

Learning Resource	Duration	Type
Fraud Detection Using Machine Learning	10 minutes	Webpage »
Machine Learning Best Practices in Financial Services	45 minutes	Whitepaper »
Build a Text Classification Model with AWS Glue and Amazon SageMaker	40 minutes	Digital Training »
Anomaly Detection on AWS	25 minutes	Digital Training »
SageMaker Demo for FSI	60 minutes	Video
Introduction to Amazon SageMaker	10 minutes	Digital Training »
AWS Foundations: How Amazon SageMaker Can Help	30 minutes	Digital Training »
Introduction to Amazon Comprehend	10 minutes	Digital Training »
Introduction to Amazon Rekognition	10 minutes	Digital Training »
Introduction to Amazon Personalize	10 minutes	Digital Training »

Introduction to Amazon Transcribe	10 minutes	Digital Training »
Twitch Series: AWS Power Hour Machine Learning	8 hours	Video »

Step 4: Grid Computing for Financial Services

Learning Resource	Duration	Type
Grid computing at scale for Financial Services	20 minutes	Whitepaper »
Introduction to Amazon Elastic Compute Cloud (EC2)	10 minutes	Digital Training »
Introduction to EC2 Auto Scaling	10 minutes	Digital Training »
Introduction to Amazon Elastic Block Store (EBS)	10 minutes	Digital Training »
Introduction to AWS Fargate	10 minutes	Digital Training »
Introduction to Amazon Elastic MapReduce (EMR)	15 minutes	Digital Training »
Introduction to Amazon Elastic Container Service	10 minutes	Digital Training »
Amazon RDS Service Primer	20 minutes	Digital Training »
Introduction to AWS CloudTrail	10 minutes	Digital Training »
Introduction to Amazon CloudWatch	10 minutes	Digital Training »
Introduction to AWS Config	10 minutes	Digital Training »
AWS Lambda Foundations	60 minutes	Digital Training »
Introduction to Amazon FSx for Lustre	10 minutes	Digital Training »

Explore additional resources

Learning Resource	Duration	Type
Architecting Amazon EKS for PCI DSS Compliance	30 minutes	Whitepaper »
Payment Card Industry Data Security Standard (PCI DSS)3.2.1on AWS	30 minutes	Whitepaper »
AWS named Company of the Year, Global Cloud-based Data Solutions for the Financial Services Industry	20 minutes	Whitepaper »
Applying AI/ML to Protect Your Customers and Your Business	30 minutes	Webinar »
Amazon Web Services' Approach to Operational Resilience in the Financial Sector & Beyond	30 minutes	Whitepaper »
Five Ways for Financial Institutions to Manage Cloud Costs	45 minutes	Webinar »
Securing your AWS Cloud environment from ransomware	45 minutes	Whitepaper »
How to Run What-if Scenarios for Trading Strategies with Amazon FinSpace	20 minutes	Blogpost »

Service Spotlight for Financial Services: Featuring Amazon SageMaker Notebook Instances	20 minutes	Blogpost »
Internal Revenue Service Publication 1075 Compliance in AWS	30 minutes	Whitepaper »
Financial Services Industry Lens - AWS Well-Architected Framework	30 minutes	Whitepaper »
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