



AWS Ramp-Up Guide: Healthcare

For healthcare business leaders, technical leaders, developers, and compliance officers

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to the healthcare industry. This guide is not intended to be consumed entirely. Different sections tackle different objectives. Some resources will be less relevant to you today. The guide will help you decide where you want to start your learning journey, and which step should be your next.

Share [your opinion](#) of this Ramp-Up Guide with us!

Learn the Fundamentals of the AWS Cloud

Learning Resource		Type
AWS Cloud Practitioner Essentials <i>or...</i>	6.0	Digital Training
AWS Technical Essentials (for IT Professionals)	4.0	Digital Training
AWS Cloud Economics for Healthcare	1.3	Digital Training

Cloud Computing for Healthcare

Learning Resource	Duration (hrs)	Type
AWS Compute Services Overview	0.7	Digital Training
Introduction to Amazon Elastic Compute Cloud (EC2)	0.2	Digital Training
Introduction to EC2 Auto Scaling	0.2	Digital Training
Introduction to Amazon EC2 Systems Manager	0.2	Digital Training
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Data & Analytics for Healthcare

Learning Resource	Duration (hrs)	Type
Data Analytics Fundamentals	3.5	Digital Training
Introduction to Amazon Athena	0.2	Digital Training
Getting Started with Amazon Redshift	1.0	Digital Training
Introduction to Amazon Quicksight	0.3	Digital Training
Getting Started with AWS Glue	1.0	Digital Training

Artificial Intelligence & Machine Learning (AI/ML) for Healthcare

Learning Resource	Duration (hrs)	Type
Introduction to Amazon SageMaker	0.2	Digital Training



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Introduction to Amazon Comprehend Medical	1.2	Digital Training
Introduction to Amazon Transcribe	0.2	Digital Training
Compliance and Governance for Healthcare		
Learning Resource	Duration (hrs)	Type
Intro to Healthcare and Life Sciences Compliance on AWS	0.3	Digital Training
Introduction to AWS Artifact	1.2	Digital Training
Getting Started with AWS Config	1.5	Digital Training
Game-based Learning		
Learning Resource	Duration (hrs)	Type
\$ AWS Industry Quest: Healthcare	12+	Game-based Learning
Additional Resources		
Learning Resource	Type	
General Healthcare Systems	-	
Patient and clinician experience solutions	Website	
Medical research solutions	Website	
Finance and operations solutions	Website	
Core health IT solutions	Website	
Medical Imaging on AWS	Website	
Accelerating Innovation in Healthcare	Whitepaper	
AWS Ramp-Up Guide: Electronics Health Records (EHR) on AWS for Healthcare	Guide	
Simplify Prior Authorization in Healthcare with AWS and HL7 FHIR	Blog	
Automate prior authorization form filling using Amazon HealthLake	Blog	
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Data & Analytics for Healthcare		
Making sense of your health data with Amazon HealthLake	Blog	
Amazon HealthLake: Integrating disparate clinical data with purpose-built health AI services	Workshop	



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Health datasets	Website
<i>AI/ML for Healthcare</i>	-
Machine Learning Best Practices in Healthcare and Life Sciences	Whitepaper
Analytics and AI/ML solutions	Website
AI-Powered Health Data Masking	Solution
How to process medical text in multiple languages using Amazon Translate and Amazon Comprehend Medical	Blog
Flagging suspicious healthcare claims with Amazon SageMaker	Blog
Build patient outcome prediction applications using Amazon HealthLake and Amazon SageMaker	Blog
Brain tumor segmentation at scale using AWS Inferentia	Blog
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<i>Compliance & Governance for Healthcare</i>	
Healthcare Compliance in the Cloud	Website
Compliance Resources	Website
AWS Compliance Solutions Guide	Website
Best Practices for Security, Identity, & Compliance	Whitepaper
Architecting for HIPAA Security and Compliance on Amazon Web Services	Website
HIPAA Eligible Services Reference	Reference
Navigating HCLS Regulatory Compliance Requirements on AWS	Whitepaper
HIPAA Reference Architecture on AWS	Solution
Operational Best Practices for HIPAA Security	Website
Frequently Asked Questions About HIPAA Compliance in the AWS Cloud - Part 1	Blog
Frequently Asked Questions About HIPAA Compliance in the AWS Cloud - Part 2	Blog
Amazon Web Services: Risk and compliance	Whitepaper
Management and Governance Cloud Environment Guide	Website
How to protect sensitive data for its entire lifecycle in AWS	Blog
How to Monitor, Alert and Remediate Non-Compliant HIPAA Findings on AWS	Blog
Using AWS in the Context of NHS Cloud Security Guidance	Whitepaper
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Additional Resources

AWS Well-Architected Framework: Healthcare Industry Lens

[Whitepaper](#)