AWS Ramp-Up Guide: Telecommunications

For business leaders, technical leaders, and operations engineers

This guide helps communications business leaders, technical leaders, developers, and data scientists who are reinventing communications technology in a 5G world. You'll learn about how to leverage AWS and the telecom partner ecosystem to build the most advanced and secure cloud infrastructure, setting you on the path to differentiate and cloudify your business.

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Cloud Fundamentals

Learning Resource	Duration (*hrs*)	Type
AWS Cloud Practitioner Essentials (Second Edition)	6.0	Digital Training
Job Roles in the Cloud	0.5	Digital Training

AWS Mobile Development Fundamentals

Learning Resource	Duration (*hrs*)	Type
Introduction to AWS Mobile Hub	0.2	Digital Training
AWS Mobile Service Overview	0.1	Digital Training
Introduction to AWS Device Farm	0.2	Digital Training

Data Lakes and AI/ML for Telecommunications

Learning Resource	Duration (*hrs*)	Type
Data Analytics Fundamentals	3.5	Digital Training
Introduction to Amazon SageMaker	0.2	Digital Training
AWS Foundations: How Amazon SageMaker Can Help	0.5	Digital Training
Introduction to AWS CloudFormation	0.2	Digital Training
Introduction to Amazon Kinesis Analytics	0.2	Digital Training
Introduction to Amazon Kinesis Streams	0.3	Digital Training
Introduction to Amazon Elastic MapReduce (EMR)	0.3	Digital Training
AWS Lambda Foundations	1.0	Digital Training
Introduction to Amazon Athena	0.2	Digital Training
Introduction to Amazon API Gateway	0.2	Digital Training
Amazon API Gateway for Serverless Applications	1.3	Digital Training

AWS 5G Edge

Learning Resource	Duration (*hrs*)	Type
IoT Edge Computing: Introduction to Amazon FreeRTOS	0.2	Digital Training
Introduction to AWS IoT Device Management	0.2	Digital Training
IoT Edge Computing: Introduction to AWS Greengrass	0.2	Digital Training

Additional Resources

Learning Resource	Type
Telecommunications on AWS	Webpage
Deutsche Telekom IT GmbH Uses AWS Training and Certification to Modernize in the Cloud	Webpage
AWS on Air 2020: Voice of the Customer – T-Mobile	Video
Verizon Accelerates 5G Network Capability Launch Using AWS	Webpage
Dish and AWS to reinvent 5G connectivity and innovation	Webpage
Ericsson Delivers Low-Latency Communication with 5G at the Edge Using AWS Outposts	Webpage
AWS Wavelength	Webpage
AWS on Air 2020: Industry Live Telecommunications	Video
Connecting the World of Tomorrow, Today, with 5G Edge Cloud: Verizon and AWS	Video
Cloud enables telco transformation via new technologies	Whitepaper