

Building Modern Data Analytics Solutions on AWS

Price: 2700

Duration: 4 days

Delivery Methods: Virtual

Overview

This bootcamp is a collection of four one-day AWS courses including Building Data Lakes on AWS, Building Batch Data Analytics Solutions on AWS, Building Data Analytics Solutions Using Amazon Redshift, and Building Streaming Data Analytics Solutions on AWS. By attending this training you'll receive comprehensive training for developing modern data skills, including how to modernize data solutions end to end, how to leverage AWS data Services to store, process, analyze, stream, and query data to make decisions with speed and agility at scale, as well as skills to put your data to work to make better, more informed decisions, respond faster to the unexpected, and uncover new opportunities. These courses will deep dive into Amazon Lake Formation, Amazon Glue, Amazon EMR, Amazon Kinesis, and Amazon Redshift and the current thinking in building and operating data analytics pipelines to turn data into insights.

Course content

Building Data Lakes on AWS - Day One

Module 1: Introduction to data lakes

Module 2: Data ingestion, cataloging, and preparation

Module 3: Data processing and analytics

Module 4: Building a data lake with AWS Lake Formation

Module 5: Additional Lake Formation configurations

Module 6: Architecture and course review

Building Batch Data Analytics Solutions on AWS - Day Two

Module A: Overview of Data Analytics and the Data Pipeline

Module 1: Introduction to Amazon EMR

Module 2: Data Analytics Pipeline Using Amazon EMR: Ingestion and Storage

Module 3: High-Performance Batch Data Analytics Using Apache Spark on Amazon EMR

Module 4: Processing and Analyzing Batch Data with Amazon EMR and Apache Hive

Module 5: Serverless Data Processing

Module 6: Security and Monitoring of Amazon EMR Clusters

Module 7: Designing Batch Data Analytics Solutions

Module 8: Developing Modern Data Architectures on AWS

Building Data Analytics Solutions Using Amazon Redshift - Day Three

Module A: Overview of Data Analytics and the Data Pipeline

Module 1: Using Amazon Redshift in the Data Analytics Pipeline

Module 2: Introduction to Amazon Redshift

Module 3: Ingestion and Storage

Module 4: Processing and Optimizing Data

Module 5: Security and Monitoring of Amazon Redshift Clusters

Module 6: Designing Data Warehouse Analytics Solutions

Module B: Developing Modern Data Architectures on AWS

Building Streaming Data Analytics Solutions on AWS - Day Four

Module A: Overview of Data Analytics and the Data Pipeline

Module 1: Using Streaming Services in the Data Analytics Pipeline

Module 2: Introduction to AWS Streaming Services

Module 3: Using Amazon Kinesis for Real-time Data Analytics

Module 4: Securing, Monitoring, and Optimizing Amazon Kinesis

Module 5: Using Amazon MSK in Streaming Data Analytics Solutions

Module 6: Securing, Monitoring, and Optimizing Amazon MSK

Module 7: Designing Streaming Data Analytics Solutions

Module B: Developing Modern Data Architectures on AWS

Modern data architectures

Who Should Attend

This bootcamp is recommended for those in the following roles:

- Data warehouse engineers
- Data platform engineers
- Solutions architects

Prerequisites:

We recommend that attendees attend the following courses:

- AWS Technical Essentials
- Architecting on AWS

Course Schedule

| Date | Time | Price | Options |
|------|------|-------|---------|
|------|------|-------|---------|

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FAQ

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What is your late policy?

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What happens when I finish my class?

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