Big Data on AWS Training

Level: Intermediate

This Big Data on AWS course introduces you to cloud-based big data solutions such as Amazon EMR, Amazon Redshift, Amazon Kinesis and the rest of the Amazon Web Services (AWS) big data platform. In this course, we show you how to use Amazon EMR to process data using the broad ecosystem of Hadoop tools like Hive and Hue. We also teach you how to create big data environments, work with Amazon DynamoDB, Amazon Redshift, Amazon Quicksight, Amazon Athena and Amazon Kinesis, and leverage best practices to design big data environments for security and cost-effectiveness.

Plus, this AWS Big Data course will prepare you to take the official exam and achieve AWS Certified Big Data - Speciality certification.

Key Features of this AWS Big Data Training

- Official AWS training curriuclum
- Attend in-class or online

You Will Learn How To

- Fit AWS solutions inside of a big data ecosystem
- Leverage Apache Hadoop in the context of Amazon EMR
- Identify the components of an Amazon EMR cluster
- Launch and configure an Amazon EMR cluster
- Leverage common programming frameworks available for Amazon EMR including Hive, Pig, and Streaming
- Leverage Hue to improve the ease-of-use of Amazon EMR
- Use in-memory analytics with Spark on Amazon EMR
- Choose appropriate AWS data storage options
- Identify the benefits of using Amazon Kinesis for near real-time big data processing
- Leverage Amazon Redshift to efficiently store and analyze data
- Comprehend and manage costs and security for a big data solution
- Secure a Big Data solution
- Identify options for ingesting, transferring, and compressing data
- Leverage Amazon Athena for ad hoc query analytics
- Use visualization software to depict data and queries using Amazon QuickSight
- Orchestrate big data workflows using AWS Data Pipeline

Choose the Training Solution That Best Fits Your Individual Needs or Organizational Goals

Live, Instructor-Led - In Class & Live, Online Training

PRODUCT #1694 - $2025

- 3-day instructor-led training course
- One-on-one after-course instructor coaching
- Tuition can be paid later by invoice -OR- at the time of checkout by credit card

Training At Your Site - Team Training

PRODUCT #1694 - $2025

- Bring this or any training to your organization
- Full - scale program development
- Delivered when, where, and how you want it
- Blended learning models
- Tailored content
- Expert team coaching

In Class & Live, Online Training

Important AWS Big Data Course Information

- **Requirements**

  We recommend that attendees of this course have the following prerequisites:

  - Basic familiarity with big data technologies, including Apache Hadoop, MapReduce, HDFS, and SQL/NoSQL querying
  - Students should complete the free Big Data Technology Fundamentals web-based training or have equivalent experience
  - Working knowledge of core AWS services and public cloud implementation
  - Students should complete the AWS Technical Essentials course or have equivalent experience
  - Basic understanding of data warehousing, relational database systems, and database design

AWS Big Data Course Outline

- **Day 1**

  - Overview of Big Data
  - Big Data Ingestion and Transfer
  - Big Data Streaming and Amazon Kinesis
  - Lab 1: Using Amazon Kinesis to Stream and Analyze Apache Server Log Data
  - Big Data Storage Solutions
  - Big Data Processing and Analytics
  - Lab 2: Using Amazon Athena to Query Log Data From Amazon S3

- **Day 2**

  - Apache Hadoop and Amazon EMR
  - Lab 3: Storing and Querying Data on Amazon DynamoDB
  - Using Amazon EMR
  - Hadoop Programming Frameworks
  - Lab 4: Processing Server Logs With Hive on Amazon EMR
  - Web Interfaces on Amazon EMR
  - Lab 5: Running Pig Scripts in Hue on Amazon EMR
  - Apache Spark on Amazon EMR
  - Lab 6: Processing NY Taxi data using Spark on Amazon EMR

- **Day 3**

  - Amazon Redshift and Big Data
  - Visualizing and Orchestrating Big Data
  - Lab 7: Using TIBCO Spotfire to Visualize Data
  - Managing Big Data Costs
  - Securing Your Amazon Deployments
  - Big Data Design Patterns

Team Training

AWS Big Data Training FAQs

- **What is an AWS Specialty certification?**

  This certification allows experience cloud security professionals to show and validate their knowledge of how to secure the AWS platform.

- **What is required to be eligible for the AWS Certified Big Data - Speciality exam**

  Students should complete the AWS Technical Essentials course or have equivalent experience

Schedule of events

In the Classroom — OR — Live, Online

Tuition — Standard: $2025   Government: $1670

Jan 28 - 30 San Francisco, CA** (3 Days)

Jan 28 - 30 Online (iMVP)** (3 Days)

Feb 3 - 5 Edison, NJ** (3 Days)

Feb 3 - 5 McLean, VA (3 Days)

Feb 3 - 5 Online (iMVP)** (3 Days)

Feb 25 - 27 McLean, VA (3 Days)

Feb 25 - 27 Online (iMVP)** (3 Days)

Mar 17 - 19 San Francisco, CA (3 Days)

Mar 17 - 19 Online (iMVP)** (3 Days)

Mar 31 - Apr 2 McLean, VA (3 Days)

Mar 31 - Apr 2 Online (iMVP)** (3 Days)

Apr 15 - 17 San Francisco, CA (3 Days)

Apr 15 - 17 Online (iMVP)** (3 Days)

Apr 28 - 30 McLean, VA (3 Days)

Apr 28 - 30 Online (iMVP)** (3 Days)

May 18 - 20 San Francisco, CA (3 Days)

May 18 - 20 Online (iMVP)** (3 Days)

Jun 2 - 4 McLean, VA (3 Days)

Jun 2 - 4 Online (iMVP)** (3 Days)

Jun 23 - 25 McLean, VA (3 Days)

Jun 23 - 25 Online (iMVP)** (3 Days)