

Course duration

- 1 day

Course Benefits

- Collect large amounts of data using services such as Kinesis Streams and Firehose and store the data durably and securely in Amazon Simple Storage Service.
- Create a metadata index of your data lake.
- Choose the best tools for ingesting, storing, processing, and analyzing your data in the lake.
- Apply the knowledge to hands-on labs that provide practical experience with building an end-to-end solution.

Authorized AWS Training

Webucator has partnered with an Authorized AWS training delivery partner to offer official AWS courses utilizing Amazon Authorized Instructors.

Course Outline

1. Key Services that Help Enable a Serverless Data Lake Architecture
2. A Data Analytics Solution that Follows the Ingest, Store, Process, and Analyze Workflow
3. Repeatable Template Deployment for Implementing a Data Lake Solution
4. Building a Metadata Index and Enabling Search Capability
5. Setup of a Large-Scale Data Ingestion Pipeline from Multiple Data Sources
6. Transformation of Data with Simple Functions that Are Event Triggered
7. Data Processing by Choosing the Best Tools and Services for the Use Case
8. Options Available to Better Analyze the Processed Data
9. Best Practices for Deployment and Operations

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this AWS class:

- Good working knowledge of AWS core services, including Amazon Elastic Compute Cloud (EC2) and Amazon Simple Storage Service (S3).
- Some experience working with a programming or scripting language.
- Familiarity with the Linux operating system and command line interface.