Training: Cloudera
# ADMIN-236 Managing Apache Ozone

CLOUDERA Training Partner

## TRAINING GOALS:

Apache Ozone is the next-generation hybrid storage service offering versatility and out-of-the-box compatibility. Ozone is an object storage format exceeding the limitations of HDFS. This course teaches architecture, internal operations, installation, file system usage, best practices, security, maintenance, monitoring, tuning and testing.

What you'll learn

This course teaches the Ozone internal architecture and how to install, use, maintain, monitor, tune, integrate, and test the the Ozone service in a secure environment.

Participants will gain the following skills:

- Understanding the Benefits of Using Ozone
- Installing and Configuring Secure Ozone
- Managing Files and Objects in Ozone
- Performance Tuning and Doing Baseline Tests
- Controlling Replication and Understanding Failover and Recovery
- Performing Maintenance Tasks
- Monitoring Ozone Using Recon Service
- Integrating Hive, Impala, Spark, Nifi, and Flink with Ozone
- Migrating Data from HDFS to Ozone

What to expect

- This advanced course is for administrators who are currently using CDP Private Cloud Base. The course will appeal to technicians, such as data engineers and applications developers, who are migrating data and applications to Apache Ozone. Prior experience of Cloudera Data Platform, to include HDFS, YARN, and Hive, is expected. Students must have access to the Internet to reach the classroom environments, which are located on Amazon Web Services.

## CONSPECT:

- Ozone Introduction, Concepts, and Installation
    - Introduction



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- Why Ozone?
- Ozone Concepts
- Installation and Configuration
- Ozone Client Configuration

- Security
  - Security Overview
  - Security Installation with Kerberos
  - Securing Data using Apache Ranger
  - Verifying Data Nodes are Secure
- Ozone File System - Best Practices and Operations
  - Best Practices
  - Working with Ozone
  - Ozone Internals and Data Checksums
  - Datanode Failover
- Ozone Administration
  - Ozone Administration: Maintenance
  - Ozone Monitoring
  - Ozone Testing
  - Performance Tuning
- Application Integration and Data Migration
  - Application Integration
  - Migration from HDFS

## REQUIREMENTS:

This advanced course is for administrators who are currently using CDP Private Cloud Base. The course will appeal to technicians, such as data engineers and applications developers, who are migrating data and applications to Apache Ozone. Prior experience of Cloudera Data Platform, to include HDFS, YARN, and Hive, is expected. Students must have access to the Internet to reach the classroom environments, which are located on Amazon Web Services.

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Cloudera (course completion).



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Upon completion of the course, attendees are encouraged to continue their study and register for the Cloudera Certified Administrator (CCA) exam
https://www.cloudera.com/about/training/certification/cdhhdp-certification/cca-admin.html

Certification is a great differentiator. It helps establish you as a leader in the field, providing employers and customers with tangible evidence of your skills and expertise.

## TRAINER:

Certified Cloudera Instructor



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