

Administering Apache Ozone

OEM: Cloudera • Duration: 4 Days (32 hrs) • Code: ADMIN-237

COURSE MODULES & TOPICS

Ozone Introduction, Concepts, and Installation

- Introduction
- 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

Working with Ozone

- File System and Admin Commands
- Transferring Data between Ozone and HDFS
- Setting Quotas and ACLs
- Controlling Replication
- DataNode Layout and Failover

Ozone Administration

- Maintenance Procedures
- Monitoring Ozone with Recon
- Integrating Ozone with Prometheus and Grafana

Performance Tuning

- Ozone Pipelines
- Baseline Load Testing with Freon
- Upgrading Ozone

Application Integration and Data Migration

- Ozone Data Locality
- Integrating Ozone with Apache Hive and Impala
- Integrating Ozone with Apache Spark
- Integrating Ozone with Apache NiFi

Data Migration

- HDFS and Ozone
- Ozone Configuration
- Mapping the HDFS Namespace to Ozone
- Data Migration using DistCp