

Cloudera Essentials for CDP (CDP Generalist)

OEM: Cloudera • Duration: 3 Days (24 hrs) • Code: CDP-0011

COURSE MODULES & TOPICS

Chapter 1: Introduction

- Course overview and objectives

Chapter 2: Introducing the Enterprise Data Cloud

- The Evolution of CDP
- Characteristics of an Enterprise Data Cloud
- From the Edge to AI: An End-to-End Use Case
- Essential Points

Chapter 3: Cloudera Data Platform Overview

- Key Concepts
- Cloudera Runtime
- Core Services
- Types of CDP Deployments
- Custom Deployments with Data Hub
- Self-Service Experiences
- A Tour of the CDP User Interface
- Essential Points

Chapter 4: Workload and Data Management

- The Role of an Administrator
- SDX (Shared Data Experience)
- Managing Resources and Costs
- Workload Isolation
- Data Migration and Replication
- Essential Points

Chapter 5: Data in Motion

- The Role of a Data Engineer
- Data in Motion Use Cases

- Cloudera DataFlow
- Essential Points

Chapter 6: Data Warehousing and Analytics

- The Role of a Data Analyst
- Data Warehouse and Analytics Use Cases
- CDP Data Warehouse Experience
- Operational and Analytic Database Capabilities
- Essential Points

Chapter 7: Data Science and Machine Learning

- The Role of a Data Scientist
- Machine Learning Use Cases
- Cloudera Data Science Workbench (CDSW)
- Cloudera Machine Learning
- Cloudera Fast Forward Labs
- Essential Points

Chapter 8: Security and Data Governance

- The Role of a Data Steward
- Data Catalog
- Controlling and Auditing Data Access
- Essential Points

Chapter 9: Planning for Success

- Challenges and Opportunities
- How Cloudera Can Help
- Essential Points

Chapter 10: Conclusion

- Course summary and key takeaways