DGOV-222

Managing and Governing Data with Cloudera Data Lineage

Course Overview

Course Type
Instructor-led training

Level
Intermediate

Duration
1 day

Platform
Cloudera Data Lineage

Topics Covered

- Introduction to Cloudera Data Lineage
- Connectivity & Data Source Integration
- Custom Lineage Connector (formerly Universal Connector)
- Platform Navigation & Discovery
- Deep Dive: Lineage Space
- Cloudera Lineage AI Assistant
- Knowledge Hub

About This Training

This 1-day course provides a comprehensive introduction to the Cloudera Data Lineage platform. It is designed to help data professionals interactively understand and leverage Cloudera Data Lineage's full suite of tools for data lineage, discovery, and governance. Participants will explore Cloudera Data Lineage's core spaces (Lineage, Knowledge Hub, and Discovery) and learn how to connect data sources, trace data movement, and manage data assets effectively. The course empowers users to harness Cloudera Data Lineage for improved data governance, impact analysis, and AI-driven optimization.

What Skills You Will Gain

Participants will develop the following skills:

- Understand Cloudera Data Lineage's core spaces: Lineage, Knowledge Hub, and Discovery.
- Understand Cloudera Data Lineage's data source connectors.
- Navigate the Cloudera Data Lineage UI with proficiency.
- Apply End-to-End Column Lineage for impact analysis and troubleshooting.
- Use Cloudera Lineage AI Assistant for optimization and insights.
- Manage and catalog data assets using the Knowledge Hub.
- Understand Cloudera Data Lineage's role in a modern data governance framework.

Who Should Take This Course?

This course is ideal for data professionals seeking to leverage the Cloudera Data Lineage platform. It is particularly valuable for data analysts, data engineers, BI developers, data governance professionals, data stewards, and solution architects responsible for managing and understanding their organization's data landscape.

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Managing and Governing Data with Cloudera Data Lineage

Introduction to Cloudera Data Lineage & Core Concepts

- What is Cloudera Data Lineage?
- Understanding Data Lineage and its Importance
- Overview of Cloudera Data Lineage's Key "Spaces"
- Lab: Access to Cloudera Data Lineage Environment

Cloudera Data Lineage Connectivity & Data Source Integration

- Overview of Cloudera Data Lineage Connectivity
- Cloudera Data Lineage Agent Installation
- Types of Connectors
- Demo: Cloudera Data Lineage Agent Installation
- Demo: Cloudera Data Lineage Metadata Extraction

Custom Lineage Connector (formerly Universal Connector)

- Overview of Custom Lineage Connector
- Custom Lineage Connector Instructions
- Types of Templates
- Log Troubleshooting & Extraction Validation
- Demo: Custom Lineage Connector

Navigating the Cloudera Data Lineage Platform & Discovery Space

- Cloudera Data Lineage User Interface Orientation
- Introduction to the Automated Discovery Space
- Lab: Navigating to Cloudera Data Lineage User Interface & Automated Discovery Space

Deep Dive into Lineage Space

- Understanding Data Lineage Types in Cloudera Data Lineage
- Cross system Lineage in Cloudera Data Lineage
- Inner System Lineage in Cloudera Data Lineage
- End-to-End Column Lineage for Impact and Root Cause Analysis
- Lab: Navigating to Cloudera Data Lineage Lineage Space

Live Lineage & Cloudera Lineage AI Assistant

- Introduction to Live Lineage
- Key features of Live Lineage
- Introduction to Cloudera Lineage AI Assistant
- Key Capabilities of Cloudera Lineage AI Assistant
- Lab: Optimize & Validate Using Live Lineage & Cloudera Lineage AI Assistant

Managing Data Assets with the Knowledge Hub

- Introduction to the Knowledge Hub and Insight Dashboard
- Key Capabilities for Data Asset Management
- Collaboration and Governance Features
- Lab: Populating and Managing Assets in the Knowledge Hub

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