Cloudera Data Visualization 8.0.9

Cloudera Data Visualization deployment options

Date published: 2020-10-30
Date modified: 2025-12-16

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Contents

Understanding Cloudera Data Visualization deployment options

Cloudera Data Visualization is integrated with the Cloudera platform, providing seamless access to data and enabling users to explore and visualize data across its entire lifecycle.

You can deploy Cloudera Data Visualization in several ways within the Cloudera ecosystem. Each deployment type offers a distinct different user experience, feature set, and configuration model. This guide compares the available options to help you select the most suitable one for your use case and ensure optimal performance.

The comparison covers the following Cloudera Data Visualization deployment options:

• Integrated with Cloudera Data Warehouse
• Embedded in Cloudera AI's Data tab (Data Discovery and Visualization)
• Standalone application in Cloudera AI
• Deployed in Cloudera Base on premises

Table 1: Key features of Cloudera Data Visualization deployment options

Deployments / Features	Cloudera Data Visualization in Cloudera Data Warehouse	Data Discovery and Visualization (Data tab in Cloudera AI)	Clouder Clouder
Integration method	Integrated with Cloudera Data Warehouse data service, providing direct access to virtual warehouses	A streamlined version embedded in the Data tab of Cloudera AI	A standa
Primary use case	Visualization optimized for large data warehouse workload, supporting high-performance SQL analytics and business intelligence use cases	Fast, in-context data exploration in Cloudera AI projects, enabling quick analysis, iterative discovery, and basic data quality checks	Full-feat insights
Access permissions	Managed through Cloudera Data Warehouse user groups, mapped to Cloudera Data Visualization roles	Inherited from Cloudera AI project roles	Inherited
Site settings	Site Settings available No Advanced Settings	Site Settings available as Explore Data Settings Advanced Settings also available	Full Site
Data connection management	Pre-populated Hive/Impala settings	Auto-sync with Cloudera AI project data connections	Auto-syn
SQLite / DuckDB support	Not supported	Supported	Supporte
API access	Not supported	Supported Requires Enable Unauthenticated Access	Supporte Requires
Embedding	Not supported	Supported Requires • IS_EMBED=true added to the environment variables • Enable Unauthenticated Access option enabled • CDSW_FRAME_ANCESTORS environment variable set	Supporte Requires • IS_I • Ena • CDS set
Dashboard emailing	Supported Specific email capabilities depend on Cloudera Data Warehouse configuration	Not supported in embedded mode Workaround is to use a standalone app	Supporte

Deployments / Features	Cloudera Data Visualization in Cloudera Data Warehouse	Data Discovery and Visualization (Data tab in Cloudera AI)	Clouder Clouder
Scheduled jobs	Supported	Not supported **Note:** This embedded mode is for interactive exploration and does not support scheduled tasks. Use the standalone app for scheduling.	Supporte

Related Information

Deploying Cloudera Data Visualization in Cloudera Data Warehouse

Deploying a standalone Cloudera Data Visualization application in Cloudera AI

Using Data Discovery and Visualization in Cloudera AI

Installing Cloudera Data Visualization in Cloudera Base on premises