



Cloudera Data Visualization

Interactive dashboards that accelerate analytical insights across your enterprise

Data engineers, business analysts, and data scientists need to be able to easily communicate and share insights across teams at every stage of the data life cycle. Creating trust and confidence in analytical outputs and machine learning models is a significant barrier to operationalizing data insights across the business. The ability to quickly and easily explore data and share and explain analytical results is essential to remaining competitive in today's data-driven climate.

Self-Service Data Visualization For The Full Data Lifecycle

Cloudera Data Visualization enables data engineers, business analysts, and data scientists to quickly and easily explore data, collaborate, and share insights across the data lifecycle. Delivered natively as part of Cloudera, Data Visualization delivers a consistent and easy-to-use data visualization experience with intuitive and accessible drag-and-drop dashboards and custom application creation. Data Visualization is fully secured by Shared Data Experience, enabling augmented data workflows across all your data and analytic workflows. Build predictive applications from ML models served in Cloudera Machine Learning, or leverage your data warehouse to power fast, intelligent reporting without moving data or using third-party tools.

Accelerate Collaboration

Cloudera Data Visualization gives everyone across the data lifecycle the ability to present data analytics and machine learning models in meaningful ways. Users can collaborate across teams and share insights everywhere to reach business teams and decision makers more effectively. Cloudera Data Visualization solves for the last-mile needs of making data actionable — enabling secure collaboration and transparency between data, analytics, and business teams without creating silos or moving data to third party platforms for gleaning sharable insights.

- **Out-of-the-box visualizations** — Get started within minutes with more than 34 visual types automatically available for drag and-drop visualizations. In addition to out-of-the-box visuals, you can also build applications using custom extensions.
- **Intuitive dashboard builder** — Build powerful interactive experiences for everyone in your business. Modify the look and feel, add multiple sources of data, or combine different dashboards to build engaging applications.
- **AI Chatbot** — Leverage an AI assistant built directly into your dashboard to turn insights into action. Ask any question in natural language, and the chatbot will match it to the relevant data and visuals.
- **Integrated security and governance** — Delivered as part of Cloudera Data Visualization and natively integrated with SDX, Data Visualization enables you to leverage your enterprise data from anywhere without moving, copying, or creating security gaps.
- **Data modeling** — Create a semantic layer by bringing together data types from different sources within your visualization, incorporating business logic and filters, and leveraging data from other visual applications.

Share Insights Everywhere

Cloudera Data Visualization enables users to build and publish custom dashboards and analytic applications in minutes. Collaborate across teams effectively with easy to use tooling for everyone and instant insight sharing across your business.

Deliver Intelligent, Automated Reporting

Cloudera Data Visualization enables you to automate analytics dashboards for updates and consumption. You can easily set rules for scheduled updates, email reports, and dynamic alerts to ensure everyone has access to the latest insights.

Build Predictive Applications

Citizen data scientists, business analysts, and business users can build self-service drag-and-drop visualizations that enable everyone to ask predictive questions directly from machine learning models deployed and served in Cloudera AI.

Cloudera Data Visualization enables users to instantly start building sharable dashboards and applications from their data and analysis.

Secure, Integrated Visualizations Native To Cloudera

Cloudera Data Visualization provides out of the box functionality without additional integration efforts, moving data, or creating security issues. This enables users to instantly start building sharable dashboards and applications from their data and analysis. Data Visualization also allows analytic teams to be more agile and reduce barriers to deliver insights to their peers and broader business teams.

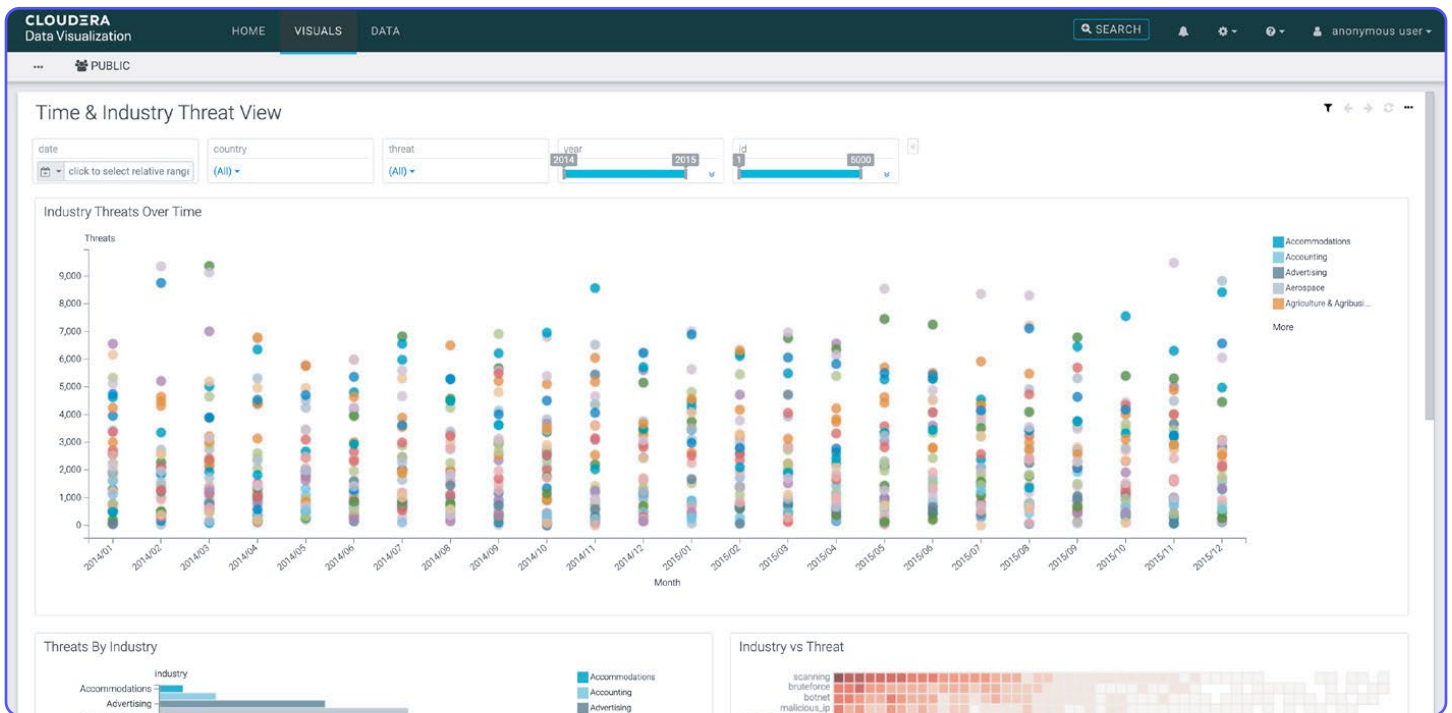
From a security and governance perspective, native integration with Cloudera Data Visualization means Single Sign-On for authentication and seamless integration with Cloudera Shared Data Experience (SDX) to manage user access and governance. With Data Visualization, users login with their Cloudera credentials and start analyzing data that they have access to. There's no need to replicate policies across multiple tools, and Cloudera enables agile, centrally governed data access which Data Visualization inherits automatically. Similarly, by tapping into Cloudera directly through Data Visualization there is no movement of data outside the purview of Cloudera. Keeping data in a central place, avoids data leaks and strengthens security and governance throughout.

Data Sources Across The Lifecycle

Data comes in different forms and speeds, that's why Cloudera offers the right mechanisms to ingest, store, and query data based on its characteristics. Apache Nifi and Apache Flink provide streaming ingestion and processing frameworks, while Hive LLAP and Impala provide analytic engines for warehousing. For text and unstructured data, Solr helps index and query it and Hbase powers real-time applications. That's why Data Visualization has been designed to bring together and drive augmented analytics by surfacing visual analytics across all these sources of data. In a single dashboard or application users can bring in a pie chart from a Data Warehouse, a table showing results of a faceted search from Solr collection, and prediction results from a deployed ML model. Additionally, because Data Visualization is built on Cloudera, data consumers can easily access and visualize their data in any public cloud, on-premises, or hybrid deployment.

Visit us on our website and learn more: cloudera.com/products/cloudera-data-platform/data-visualization.html

FIGURE 1. Easily create rich, interactive dashboards that deliver analytical insights across your enterprise.



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Cloudera is the only true hybrid platform for data, analytics, and AI. With 100x more data under management than other cloud-only vendors, Cloudera empowers global enterprises to transform data of all types, on any public or private cloud, into valuable, trusted insights. Our open data lakehouse delivers scalable and secure data management with portable cloud-native analytics, enabling customers to bring GenAI models to their data while maintaining privacy and ensuring responsible, reliable AI deployments. The world's largest brands in financial services, insurance, media, manufacturing, and government rely on Cloudera to be able to use their data to solve the impossible—today and in the future.

To learn more, visit Cloudera.com and follow us on [LinkedIn](#) and [X](#).