

# Interactive dashboards that accelerate analytical insights across your enterprise

## CDP DATA VISUALIZATION

### SHARE INSIGHTS EVERYWHERE

CDP 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

CDP 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 Cludera Machine Learning.

Beyond preparing, analyzing and modeling 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 lifecycle. Creating trust and confidence in analytical outputs and machine learning models has been a significant barrier to operationalizing data insights across the business. The ability to quickly and easily explore data, as well as the ability to share and explain analytical results has become essential to remaining competitive in today's data-driven climate.

### Self-service data visualization for the full data lifecycle

CDP Data Visualization enables data engineers, business analysts, and data scientists to quickly and easily explore data, collaborate, and share insights across the data lifecycle—from data ingest to data insights and beyond. Delivered natively as part of Cludera Data Platform (CDP), 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 SDX, enabling augmented data workflows across all your data and analytic workflows. Build predictive applications from ML models served in CDP Machine Learning, or leverage your data warehouse to power fast intelligent reporting without moving data or using third-party tools.

### Accelerate Collaboration

CDP 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. CDP 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.
- **Integrated security and governance**—Delivered as part of CDP 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 and blending**—Create complex semantic layers by bringing together data types from different sources within your visualizations, incorporate business logic and filters, and incorporate data from other visual applications.

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

### About Cloudera

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the Edge to AI. Powered by the relentless innovation of the open source community, Cloudera advances digital transformation for the world's largest enterprises.

Learn more at: [cloudera.com](https://cloudera.com)

## Secure, Integrated Visualizations Native to CDP

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



Figure 1. CDP Data Visualization Connects All Your Data Across the CDP Ecosystem

## Data sources across the lifecycle

Data comes in different forms and speeds, that's why CDP offers the right mechanisms to ingest, store, and query based on the characteristics of data. Apache Nifi and Apache Flink provide streaming ingest and processing framework, while Hive LLAP and Impala provide analytic engines for warehousing. And for text and unstructured data, Solr can help index and query them and Hbase can power 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 DW, 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 CDP, data can be accessed across any public cloud, on-premises, or hybrid cloud deployment easily.

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[cloudera.com/products/cloudera-data-platform/data-visualization.html](https://cloudera.com/products/cloudera-data-platform/data-visualization.html)