



Key Features*

- In-cluster for high performance, high concurrency
- Distributed BI on every node
- No data movement
- Unified security
- Single semantic layer
- Blend with additional data sources

Deployment Options*

- Cloud, on-premises, multi-cloud
- Native connectivity to big data, including HDFS, Amazon S3, Microsoft Azure Data Lake Store (ADLS), Apache Kafka (via Confluent KSQL), Apache Kudu
- ODBC to traditional sources

Supported Data Stores

- ArcEngine (running in Apache Hadoop)
- Amazon Redshift*
- Apache Drill*
- Apache Hive
- Apache Impala
- Apache Solr*
- Apache Spark SQL
- Confluent KSQL and Apache Kafka
- MariaDB*
- Microsoft Azure Data Lake Store*
- Microsoft SQL Server*
- MySQL*
- Oracle*
- PostgreSQL*
- SQLite
- Teradata*
- Teradata Aster*

Supported Visuals

- Table
- Cross tabulation
- Bars
- Lines
- Combined bar/line
- Areas
- Grouped bars
- KPI
- Gauge
- Bullet
- Box plot
- Packed bubbles
- Word cloud
- Scatter
- Flow*
- Funnel*
- Pie
- Radial
- Chord
- Network
- Dendrogram
- Correlation heatmap
- Correlation flow
- Calendar heatmap
- Map
- Interactive map
- Sparklines
- Timeline
- Link
- Histogram
- Extension
- Rich text
- Field statistics
- Queries

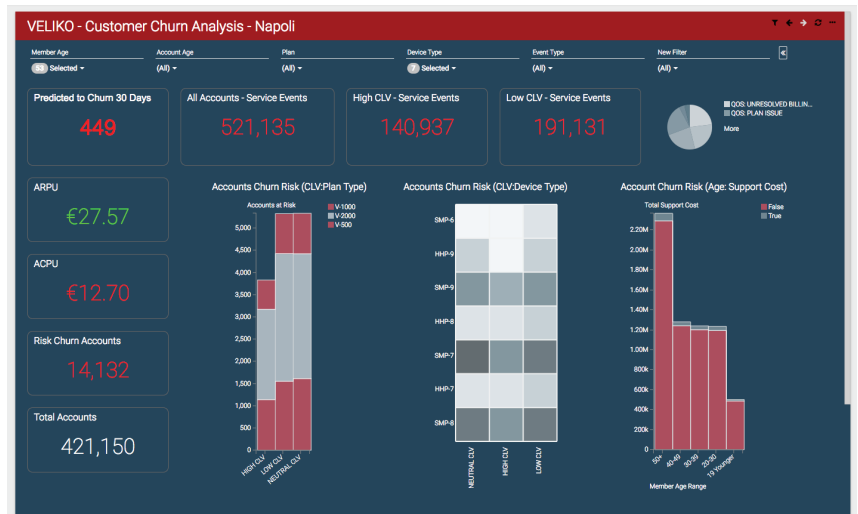
Visual Analytics and BI Native to Big Data

Arcadia Data offers two products for analytics and business intelligence (BI):

Arcadia Enterprise is the subscription-based analytics technology built to run natively within big data platforms. It can be deployed in the cloud and/or on-premises. Arcadia Enterprise has two main components:

- **ArcEngine** is the analytics platform which runs large-scale, distributed queries on the data nodes of an Apache Hadoop cluster. ArcEngine leverages the data platform to address scale, performance, concurrency, unified security, and reliability.
- **ArcViz** is the visualization server to which users connect their web browsers to access the user interface, including the dashboard builder and applications. ArcViz can deliver dashboards that combine accelerated results from ArcEngine, real-time data from Apache Kafka, and external data from traditional data stores (i.e., "data blending"). ArcViz can be run on data nodes or edge nodes.

Arcadia Instant is the browser-based desktop analytics tool available for free download and unlimited use. Arcadia Instant provides most of the visualization capabilities of ArcViz in a small form factor.



Example dashboard with KPIs, charts, and filters.

* Arcadia Enterprise only

Arcadia Enterprise Features and Capabilities

Native BI Architecture

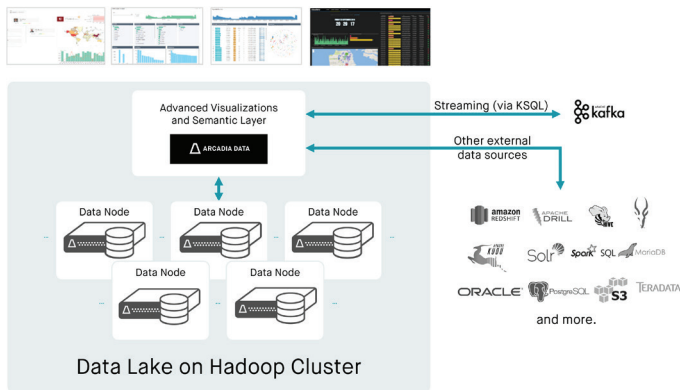
Arcadia Enterprise runs directly in the data platform, allowing tight governance, integrated security, and easy deployment and administration.

- **No data movement.** Avoid slow backend processes just to get data ready for analysis.
- **Smart Acceleration™.** Use the built-in recommendation engine to build query accelerators (“Analytical Views”), eliminating long data modeling efforts.
- **Single semantic layer interface.** Easily add business meaning to data tables and fields.
- **Unified security.** Leverage the data platform’s security framework (Apache Ranger, Apache Sentry, etc.), avoid risks of disparate security frameworks.

Business Access to All the Data

Arcadia Enterprise lets business analysts/users combine diverse data sets and analyze massive volumes of big data.

- **Data types.** Structured data, textual data (with search interface), streaming data (with pause and play), complex data types (arrays, maps, structs), combined real-time + historical data, plus data blending with explicit filtering.
- **Data formats.** Parquet, ORC, Hive, and more.
- **Instant Visuals.** Machine learning- and rules-based recommendations on the best visuals to use for a specified data set, in a side-by-side comparison.
- **Column-level security.** Granular access controls ensure users see only the data for which they are authorized.



Enterprise-Ready Applications

Arcadia Enterprise gives business users an interactive interface with accelerated queries to handle thousands of concurrent users with fast responsiveness on large data sets. It can be customized and embedded into other web applications.

- **Analytical Views.** These pre-computed aggregates replace OLAP cubes for fast and efficient acceleration of dashboard/application queries.
- **Linear scaling.** More data and users are efficiently handled by adding more nodes to the cluster, supporting thousands of concurrent users on billions of records.
- **Results caching that honors access controls.** The built-in caching system ensures that only authorized users get access, even when permissions get changed.
- **Customizable.** Modify and add visuals via APIs.
- **Embeddable.** Integrate into custom web apps, including white labeling, with trusted authentication.

Getting Started

- To explore Arcadia Data visualizations, download Arcadia Instant at arcadiadata.com/instant
- Check out the **Visualization Starter Kit for Apache Kafka** here: arcadiadata.com/product/streaming-visualizations
- For more information, visit arcadiadata.com

About Arcadia Data

Arcadia Data provides the first visual analytics and BI platform native to big data that delivers the scale, performance, and agility business users need to discover and productionize real-time insights. Its flagship product, Arcadia Enterprise, was built from inception to run natively within big data platforms, in the cloud and/or on-premises, to streamline the self-service analytics process. It enables real-time, high-definition insights in use cases like data lakes, cybersecurity, IoT devices, and customer intelligence. Arcadia Enterprise is deployed by some of the world’s leading brands, including Procter & Gamble, Nokia, Royal Bank of Canada, Kaiser Permanente, HPE, and Neustar.

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