

Data Science Sandbox as a Service

Run a wide range of advanced analytics in a flexible cloud environment, without having to assemble all the components or manage the underlying technology.

The Challenge:

Many data scientists report that they struggle to get the infrastructure resources they need. Teams that rely on other groups report long wait times to get resources. Those that build it themselves spend valuable time building and maintaining systems, networking and infrastructure. All of this takes skilled analysts away from their primary jobs and delays results.

Introducing Cazena

Cazena simplifies cloud data processing for data science by bundling together many data processing and cloud capabilities and delivering them as a complete “Data Science Sandbox as a Service.” One single service includes data storage, processing, analytics engines, security and support for a wide variety of tools and interfaces. Built-in data movers ease the process of consolidating datasets into a single environment -- and a variety of embedded tools and notebooks are available to analyze data using R, Python or other methods. Cazena’s simple interface abstracts the complexity of the underlying technologies, delivering high-performance processing in just a few clicks.

The service is powered by a variety of open-source, custom and best-of-breed software such as Cloudera Spark - all integrated, optimized and managed by Cazena. New technologies are regularly benchmarked and incorporated.

Cazena’s pricing model ensures predictable bills but flexibility for fast expansion. The service is enterprise-ready, with features for security, networking and management and logging.

About Cazena

Cazena’s mission is to radically simplify data processing in the cloud, for faster business outcomes. Cazena leads the emerging market for cloud data processing with end-to-end solutions for data science, data warehousing, data lakes and big data. The company is noted for its experience and expertise in high-performance data and analytic processing for enterprise environments: Cazena was founded by the former leaders of Netezza, a leader in the early data warehouse appliance market. The company is backed by Andreessen Horowitz, Formation 8 and North Bridge Venture Partners.

Why Use Cazena’s Data Science Sandbox as a Service?

Use One Service for All of Your Analytics: Single service with all capabilities for analyzing data in the cloud; includes embedded engines for analytics (R, Python, etc.)

Expand Intelligently to the Cloud: Augment your current environment with more cloud resources that give you the scale and power you need, when you need it.

Collaborate Efficiently: Store datasets in one place. Experiment with models in a powerful cloud environment, improving iteration and cycle times.

Collect Data More Easily: Service includes connectors and built-in data movers for local, cloud or third-party sources. Data can be encrypted at motion and at rest.

Maintain Enterprise Security and Integration Standards: Cazena’s architecture and software ensures secure data movement between data sources and your Cazena cloud.

Deploy Quickly: Get started in minutes. Cazena handles everything from installation to ongoing optimization of the platform. One subscription fee covers everything.

Get Hands-On and See. Cazena is easy to learn, so you can get results in a fraction of the time it would take for a development project. See for yourself with a free week, where you can use your own data and complete a real project. Sign-up and schedule your week now!

Learn More & Get One Week Free: cazena.com/sandbox

At a Glance

Summary: Single platform for all analytics workloads. Elastic and powerful data management with embedded analytics and web tool interfaces. Popular tools like RStudioServer Pro and Hue Notebooks are an integral part of the service. Others may be connected via standard interfaces (ODBC/JDBC). Has fully-documented REST APIs.

Capabilities: Cloud data storage, built-in data movers, embedded analytics engines, security functions and more -- all integrated, optimized and delivered “as a service” on secure infrastructure from reliable public cloud providers. Interact how you prefer: via web UI, scripts or analytics tools interfaces.

Data and Analytics Engines: Spark (Cloudera), Hadoop, Sparklyr, RStudio Server Pro, Python, Hue Notebooks, SQL and others.

Cloud Infrastructure Providers: Amazon Web Services (AWS), Microsoft Azure

Enterprise Support: Includes software for integration with on-premises data sources, as well as functions for enterprise security and management systems.

Pricing Model: One fee covers everything, including technology licenses, cloud infrastructure, management and support.

Delivery Model: Cazena manages, monitors, supports and optimizes the service 24 x 7.