

Solution: Data Science Sandbox

Accelerate Productivity with a Complete Cloud Stack Optimized for Data Science, ML and Analytics.
Fully-Managed 24x7 so You Never Lose Time Troubleshooting.



Challenges

Many data scientists report that they struggle to get access to the data and infrastructure resources they need for analytics. Teams that rely on other groups report long wait times to get resources. Those that “DIY” or assemble stacks themselves spend valuable time building and maintaining systems, networking and infrastructure. This delays analytic productivity and business impact.

Solution Overview

Cazena delivers a complete cloud environment for data science, ready for data loading and analytics immediately, with no assembly required and no complex setup. Everything is fully-managed by Cazena, with automation and DevOps built-in. The Data Science Solution is powered by Cloudera EDH (Spark, Hadoop & more), augmented, secured and optimized for performance in the cloud by Cazena.

Built-in data ingestion tools ease the process of consolidating datasets for analytics. With Cazena, teams collaborate and experiment with models in a shared environment, which improves iteration and cycle times. A variety of embedded interfaces and notebooks are available (R, Python, SQL, etc.) as well as seamless support for Cloudera Data Science Workbench and other analytics tools. Cazena optimizes for performance, with unique workload-level SLAs -- and regularly benchmarks, upgrades and adds new capabilities.

Cazena abstracts the complexity of managing cloud, big data, security and infrastructure technologies. In just a few clicks, data scientists can access a high-performance, Cloudera EDH platform for analytics and machine learning.

Solution Value

Improve Agility and Accelerate Results with an All-In-One Environment for Data Science, Machine Learning (ML) and Analytics: Get all the best capabilities for loading, storing and analyzing data in the cloud in one solution, that’s supported, fully-managed and optimized for the best TCO and performance.

Deliver Analytic Flexibility and Connect Any Tools: Now teams can leverage the all latest analytics methods, including embedded analytics engines and access to the Cazena AppCloud, with Cloudera Data Science Workbench, Arcadia Data, Qlik, StreamSets, DataRobot and more.

Scale to Cloud and Hybrid Architectures Intelligently and Cost-Effectively: Cazena’s Gateway software ensures secure connections to other clusters, data sources and tools. Add new capabilities quickly and augment current platforms with an environment optimized for advanced analytics or other use cases.

How to Get Started: [Cazena.com/Cloudera](https://cazena.com/Cloudera)

Joint Offering

Summary: Cloudera EDH stack, with analytics interfaces, cloud data storage, built-in data encryption/ingestion, security and more -- all integrated, optimized and delivered “as a service” on secure infrastructure from leading cloud providers.

Cloud Infrastructure Providers:

Microsoft Azure, AWS

Analytics & AppCloud: Use embedded interfaces or get easy access to popular tools like Cloudera Data Science Workbench, Arcadia Data, Qlik, StreamSets, DataRobot and more. Connect other tools via standard interfaces (ODBC/JDBC). All solutions have fully-documented REST APIs.

Hybrid Support: Solutions include Cazena’s Gateway software for hybrid architectures and secure connections to datacenters, applications or cloud data sources.

Security, Governance and Compliance: Single-tenant solutions with industry-leading security are GDPR-ready, with 24x7 monitoring, governance & more.

Fast Setup: Cloud environments are provisioned in hours, hybrid enterprise deployments take less than 4 weeks.

Simple Cloud Pricing: Subscription plans, with enterprise-friendly billing models.

Fully-Managed, Cloud to Cluster to Workload: 24x7 production operations, patching, upgrades, testing, etc.

About: Cazena’s mission is to radically simplify data and analytics, with end-to-end solutions for data science, data lakes and data marts. Cazena is the next-gen vision for enterprise data from the original Netezza data appliance team, and has earned industry recognition and customers across industries. Learn more: [Cazena.com](https://cazena.com).