



Praelexis

MACHINE LEARNING PLATFORM
optimizing beyond constraints

CONSTRATA

Organizations that strive to be innovative are using Machine Learning to enable data-driven decision-making. Important prerequisites to innovate with **Machine Learning** are fast prototyping, standardised development life cycle, production capability and the scaling of Machine Learning solutions.

What is Constrata?

Constrata is a Managed Machine Learning platform running on Microsoft Azure. At the heart of the Constrata platform is an all-inclusive eco-system of features and tools. This enables data scientists to do fast prototyping and take the solution through all the development phases to a full production-ready solution. The platform encapsulates the whole technology stack while enabling data scientists to implement customized solutions.

Why customers use Constrata on Azure

Praelexis Constrata with Microsoft Azure

- is designed and supported by Machine Learning experts.
- provides cross-functional integration.
- provides full flexibility and scalability.
- prepares, explores and visualizes data by the application of Machine Learning algorithms.

Implementation Assistance

- **Multi-technology integration.**
- Machine Learning expertise on demand.
- Integrated, transparent platform.
- User-centered and user-friendly.

Consistency in Way of Work

- **Rigorous development processes.**
- Proven software development life cycle methodology in automated form.
- Agile and lean development strategies follow an iterative approach.

Testing Environment at Scale

- **Peace of mind before deployment.**
- Driven by business requirements rather than the technical constraints.
- Testing and validation are done on full-scale production models.

“Praelexis as our Machine Learning partner developed our first end-to-end real-time Machine Learning solution on Constrata. This solution automated the Net Take Home Pay process which forms an integral part of the credit flow when our clients apply for a loan. Scalable to enterprise level, we have implemented the solution in all our branches. It integrated seamlessly with our existing bank branch front-end system. It also improved functionality with previously unachievable features. This enhances both the consultant and the customer experience.” Capitec Bank, 2018

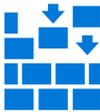


Constrata creates business value from data-driven decision-making



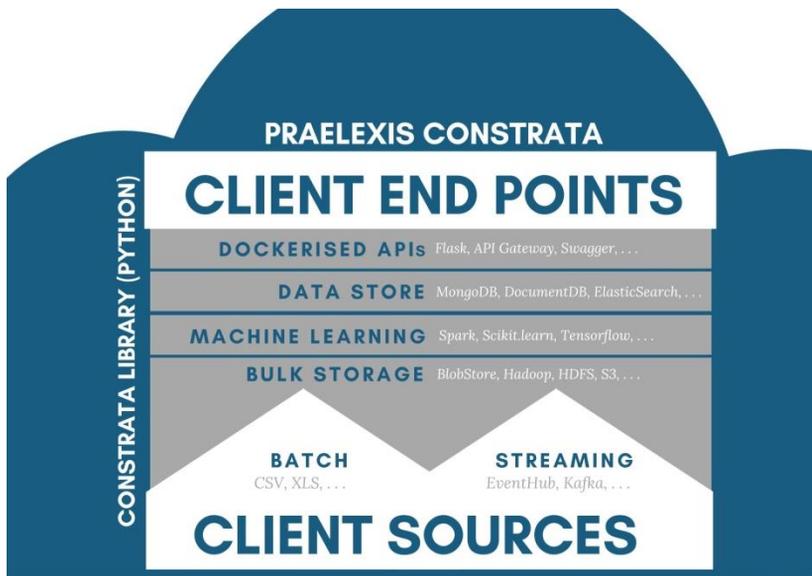
Clients that use Constrata

- Aspire to be disruptive innovators and trendsetters.
- Are proactive rather than reactive.
- Introduce change attempts to make results tangible to clients, employees and stakeholders.
- Identify and understand their needs.



Constrata and Azure a win-win synergy

Machine learning solutions require an abundance of resources whether it be CPU, GPU, storage or streaming capability. Azure provides all the required resources on a scalable platform like Constrata.



The Constrata Value Proposition

Our promise to you

- We will integrate and embed Constrata in your business data environment to simplify, automate and advance your systems to an integrated, robust and learning platform where you are on top of your data analytics.
- Our platform will enable the identification of research problems, acquire and clean the data from structured and unstructured sources, support the Machine Learning model building process, test and validate the models and launch the crafted solutions.
- Constrata ticks all the boxes:
 - ✓ Data access
 - ✓ Data preparation
 - ✓ Automation
 - ✓ Machine Learning
 - ✓ Domain agnostic
 - ✓ Delivery
 - ✓ Flexibility
 - ✓ Scalability
 - ✓ Model management
 - ✓ Coherence
 - ✓ Data exploration and visualization

Elimination of constraints with Constrata

Innovative companies that want to move to data-driven decision-making often encounter challenges when advancing innovative solutions from development to production. The Constrata platform addresses these challenges by combining good theoretical practices with technology, allowing companies to focus on their business requirements rather than on the technical constraints.

Why Praelaxis?

Since the inception of Constrata, the integration of theory and practice have been at the heart of Praelaxis. With its agile and innovative business model, Praelaxis was born as the result of a keen understanding of the Machine Learning needs of clients. The company has since grown into a team of data crafters who are accomplished engineers, mathematicians and data scientists, each much respected in their respective fields of specialisation.

