

OVERCOME DATA SILOS

Fuel faster insights

The exponentially increasing volume of data collected and stored by life science and healthcare organizations is text and image-heavy and often has little structure—creating integration and analytics challenges. As a result, the data storage landscape becomes a collection of silos that are difficult to integrate without breaking down security and systems infrastructure.

Finding key insights in these large repositories of unstructured data is difficult and slow. And because this data is used for research and healthcare, missing or delaying insights can result in lengthy procedures for diagnoses or incomplete reporting for clinical trials. You can tap into data silos to fuel faster insights with a flexible, scalable, secure and automated data fabric architecture.

HOW WE HELP LIFE SCIENCE & HEALTHCARE ORGANIZATIONS

Research & development

- Target and mechanism of action identification
- Lead management and decision support
- Research & development assay image analytics
- Competitive intelligence and merger & acquisition portfolio
- Lead design and analytical chemistry

Preclinical

- Deeper insights from PDFs
- Image analytics
- Target selection and lead design
- Collaborative portfolio management
- Market and intellectual property landscaping
- Small molecule analytical development

Clinical

- Clinical trial protocol analytics
- Key opinion leader identification and management
- Trial image and sensor data analytics
- Predictive candidate analytics
- Clinician note analysis
- Electronic health record and claims management
- Deeper insights from PDFs

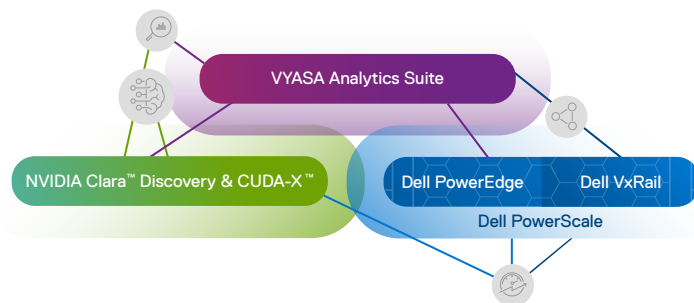
Manufacturing & commerce

- Quality vigilance and adverse event reporting
- Manufacturing image analytics
- Location-aware monitoring and process chemistry

VYASA AI DATA FABRIC ARCHITECTURE

The next generation in deep learning

Vyasa offers a complete product suite of applications built on an infrastructure powered by the NVIDIA Clara™ Discovery application framework and NVIDIA's GPU hardware with Dell PowerEdge Servers or Dell VxRail and Dell PowerScale for flexible, secure storage.

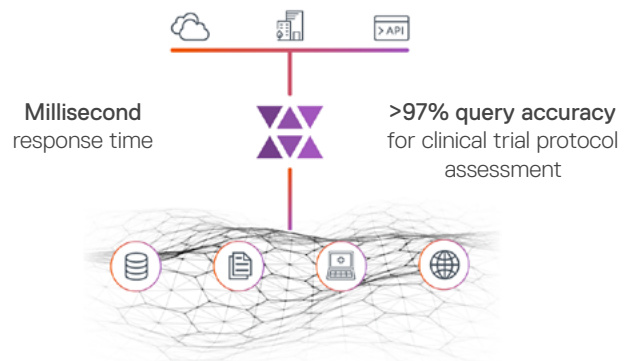


Dell PowerEdge supporting NVIDIA GPUs and Dell PowerScale modern storage for unstructured data

Vyasa Data Fabric

Layar connects to a diverse set of data and third-party applications to create a unified data environment across internal and external data silos. Vyasa then applies deep learning to the unified content, making it easily searchable and accessible without having to move or replicate the data.

Secure, flexible integration and analytics



AI-powered biomedical analytics

Each application in the Vyasa Product Suite is designed for specific life science and healthcare data analytics needs. As internal and external data sources are connected to the secure

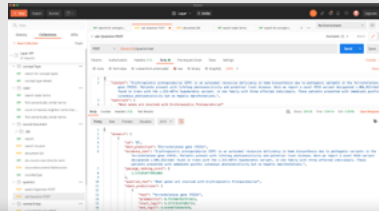
Layar data fabric, automatic deep learning AI algorithms are applied to text and images. This allows Layar to extract insights from the content to enable collaborative data sharing.



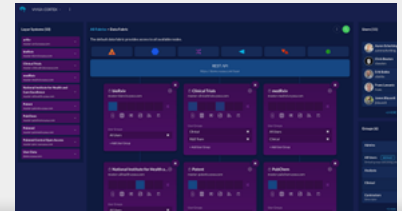
Secure, flexible data fabric architecture for integration and analytics across an entire ecosystem of data assets.



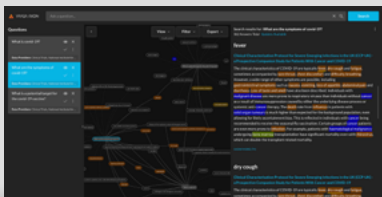
Configure Layar to extract greater value from integrated external/internal text data with extensive RESTful APIs. Includes Jupyter notebook integration.



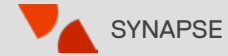
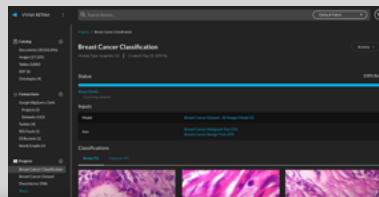
Self-service platform providing an intuitive environment for building, managing and provisioning access to data fabrics.



A visual approach to data exploration using natural language queries to find answers from structured and unstructured data sources stored in the Layar data fabric.



A scalable image analytics and model management platform that offers a wide range of deep learning tasks to streamline your imaging workflow.



"Smart Table Technology" that leverages natural language queries to populate spreadsheets with answers from structured and unstructured data sources.



It's easy to get started. Vyasa is deployed through NVIDIA Clara™ Discovery and uses Dell PowerScale connectors.

Reach out to us today.



Vyasa is advancing deep learning AI into approaches that enable humans to elevate the nature of their work beyond rote activities inherent in processing digital content. Using highly scalable deep learning software and analytics, we enable organizations to ask complex questions across large scale integrated data sets to gain critical insights for better decisions.

» **Contact us** at hello@vyasa.com to learn more



Dell Technologies is helping life sciences and healthcare organizations simplify their administration; coordinate and manage patient care; transition from episodic care to coordinated, advanced personalized care with a focus on prevention and wellness; and ultimately improve population health and individual patient outcomes.

» **Learn more** about our solutions for healthcare



NVIDIA Clara™ Discovery is a collection of frameworks, applications, and AI models enabling GPU-accelerated drug discovery, with support for research in genomics, proteomics, microscopy, virtual screening, computational chemistry, visualization, clinical imaging, and natural language processing.

» **Learn more** about NVIDIA Clara™ Discovery