OpenText Alloy provides a flexible cloud integration platform to address all data needs and a service model that minimized the need for internal company resources.

Success story

Major pharmaceutical company drives discovery with a collaborative R&D environment

Life Sciences R&D organization shares data securely and enhances analysis with OpenText Alloy

Results

Built a compliant R&D environment in 50 days

Enhanced analysis and collaboration among its sponsor and third-party research partners

Established a future-proof environment supporting new insights and discovery

Industry

• Pharmaceutical
• Life Sciences R&D

Solutions

• OpenText™ Alloy™
In today's Life Sciences industry, accelerating research and development and enabling new insights hinges on collaboration. Providing scientists with rapid, reliable and secure access to the data and analysis tools needed to generate new insights can increase efficiency and provide a first-to-market advantage.

A major pharmaceutical company had a vision for a cloud-based collaboration space that would provide an innovative approach to data sharing, both across the organization and with third-party research partners. The space would need to host large sets of "omics," for example genomics and proteomics. It would also need to accommodate pre-clinical, clinical and real-world evidence-based data, in addition to vital applications that support new and existing analytics and collaborative functions. Strong security, through identity management controls and compliance with encryption for electronic protected health information (PHI) and personally identifiable information (PII), were imperative to success.

After evaluating its needs, the pharmaceutical company defined its requirements for its next-generation analytical and data sharing collaboration space. OpenText™ Alloy™ was chosen to bring the company’s vision to life following a rigorous RFP process. Alloy provides a flexible cloud integration platform to address all data needs and a service model that minimizes the strain on internal company resources. OpenText, along with a data curation partner, created the new collaboration environment using tranSMART as its open-source analytics solution paired with Alloy for integration and data harmonization.

Leveraging the OpenText Cloud portfolio of existing and mature data management and integration capabilities, as well as secure access management services, gave the pharmaceutical organization the compliance-ready platform that enabled the collaboration space in less than 50 days.

The OpenText solution includes:

- An application and system independent centralized big data repository, housing raw and processed data, including sequencing, biomarker, pre-clinical, clinical and real-world evidence-based data.
- A hosting platform for all analytics tools.
- A data integration engine that delivers transformed data into the repository and enables the technical aspects of data curation.
- VDIs (Virtual Desktop Infrastructures) for access, analysis and visualization of data from a web interface.
- Security at all levels, including user security (access and identity management), data security (encryption of PII and PHI in transit and at rest) and network security (FTPs, sFTP, HTTPS, AS2, etc.).
- Data curation services through a third-party relationship.

With all critical data now residing in one accessible environment, collaboration among the sponsor and its third-party research partners has improved dramatically. As a result, data sets are no longer siloed, data analysis is happening in exciting new ways and additional insights give the company a competitive advantage in its discovery efforts.

Implementing a flexible and scalable solution at this time was critical. The type of data and number of data sources will continue to grow as the sponsor grows or establishes new partnerships. New data sources can be added quickly to the integration platform to handle any type of data that is needed for collaboration.

The pharmaceutical company plans significant investment in the collaboration space to enhance its capabilities. As more partners come aboard and new applications are added to the platform, the company is well positioned to capitalize on OpenText expertise in service-based integration, data management and big data.