

CASE STUDY

Streamlining Scientific Research with an Integrated Request Management System



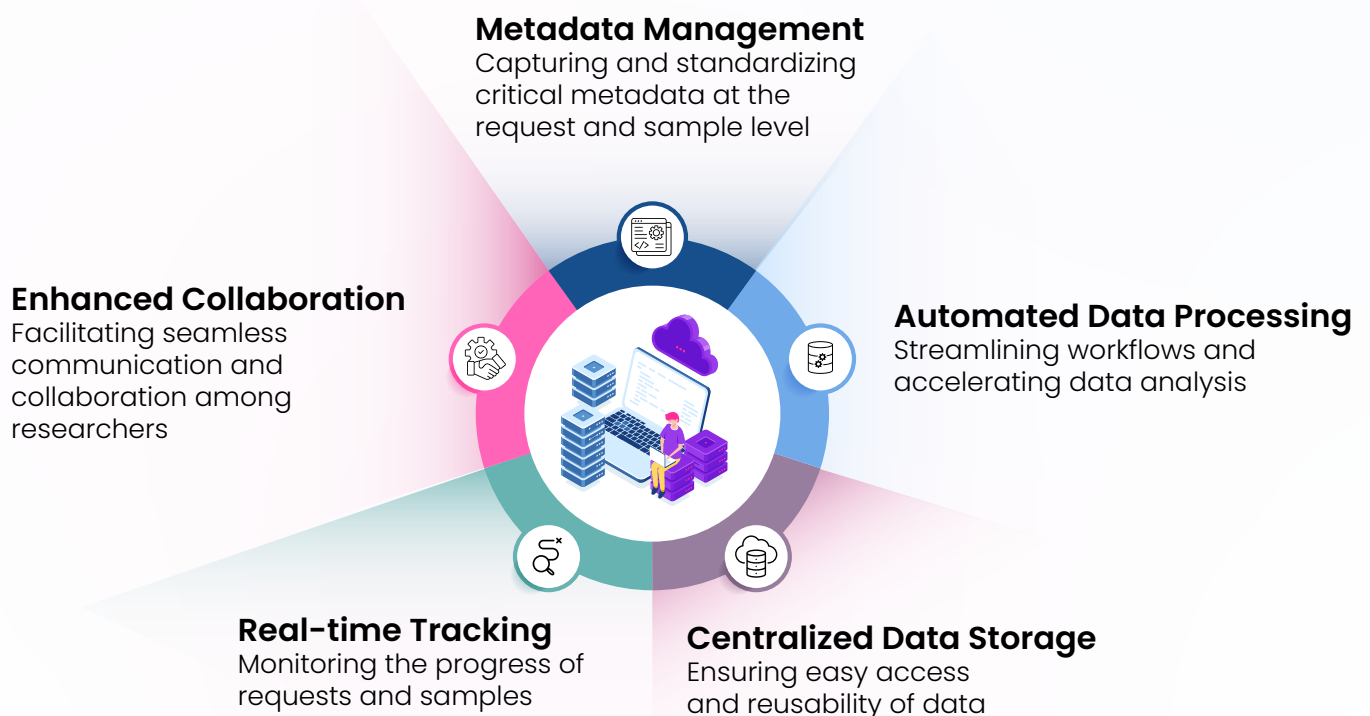
Client's Challenge

Our client, a global biopharma leader, faced several challenges in managing their in-house and outsourced sequencing experiments

- **Data Disparity:** Inconsistent data capture and storage across various research units.
- **Inefficient Request Process:** Manual processes and lack of centralized tracking for requests and samples.
- **Limited Data Reuse:** Difficulty in accessing and reusing data for downstream analysis.

Excelra's Solution

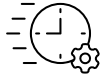
To address these challenges, we developed a comprehensive request management system. This innovative solution provides a centralized platform for



Key Benefits

Increased Efficiency

Reduced turnaround time for experiments and improved data quality



Enhanced Data Integrity

Standardized data capture and storage practices



Improved Collaboration

Facilitated communication and collaboration among researchers



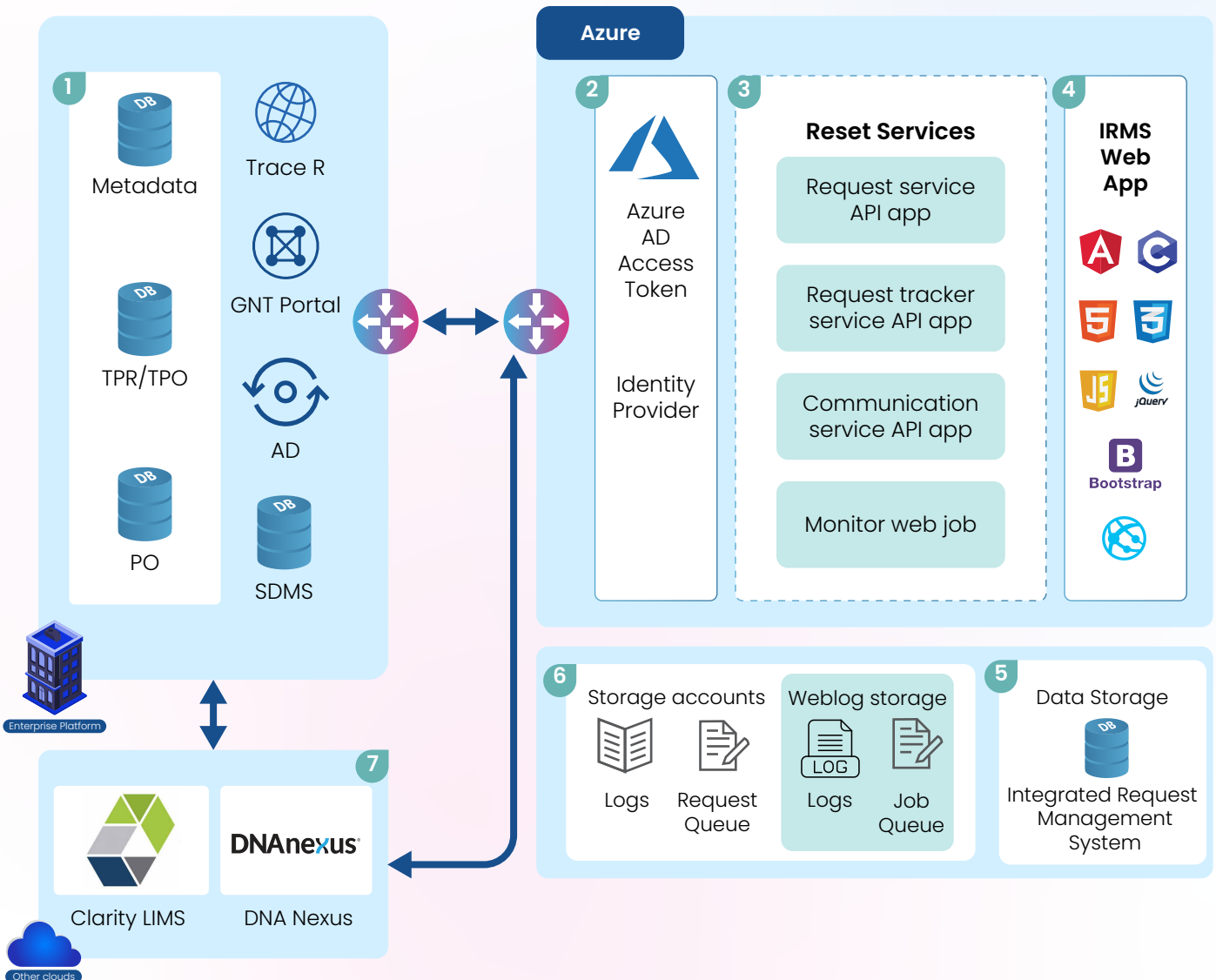
Accelerated Insights

Faster data analysis and discovery of new insights



Technical Architecture

Our solution leverages a serverless Azure architecture to ensure scalability and reliability. Key components include



- **Centralized Database:** Stores critical metadata, request information, and sample details.
- **API Integration:** Enables seamless communication between the platform and external systems like ELNs and LIMS.
- **Automated Workflows:** Streamlines data processing and analysis tasks.
- **User-Friendly Interface:** Provides an intuitive interface for researchers to submit requests, track progress, and access results.

Conclusion

By implementing this innovative request management system, our client has significantly improved their research efficiency and data management practices. Our solution empowers scientists to focus on their core research activities, while ensuring data integrity and facilitating collaboration.

Would you like to learn more about how Excelra can help you streamline your research processes?



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Connect with our experts: marketing@excelra.com

www.excelra.com