

A leading distributor of books leveraged **Azure Services and Cosmos DB** to develop digital cataloging solution and reduce cost



Customer

The customer is a worldwide distributor of books, digital content, and entertainment products across the globe.

It offers cutting-edge digital media services to publishers, libraries, schools, and retailers.

Business Challenge

The customer's current cataloging application was obsolete and wasn't scalable and maintainable. The performance of the system was prolonged, and there were frequent server connection timeouts. The customer felt the need to build a high performing system, reduce the amount of time taken to load screens, eliminate issues with multiple crashes/frozen screens.

The customer was looking to have a scalable solution, which is easy to maintain and must have:

- Web-based interface that eliminates the installation of client-side software
- Modernized database solution based on Azure services
- Highly maintainable/scalable architecture for quick future enhancements/updates

WinWire Solution

- WinWire developed a scalable and modernized application using **Azure services and Cosmos DB** that offered high performing architecture
- Created a user-friendly UI which is compliant with WCAG 2.0 guidelines
- Introduced efficiencies and **AI-driven** approach into the process to improve workflow
- Analyzed and migrated existing content to **Azure Cosmos Database**
- Implemented a business services layer that could be accessed by any application to fetch the requested data attributes
- Provided a subscription-based service to different libraries to access customer's repository and to build their catalog
- Created **Power BI reports** reflecting the trends and highlights possible data quality issues

Business Value

- Increased efficiency and throughput of customer cataloging team
- Improved collaboration with customers and partners to create a highly dynamic & comprehensive offering
- Eliminated dependency on third-party cataloging utility resulting in savings
- Reduced record searching time by 40%
- Compressed manual cataloging records