Enhancing Data Infrastructure for a Non-Profit Organization

WHO WE ARE

" UB Technology Innovations, Inc. offers cloud data analytics specializing in Azure infra, App migration, and modernization with certified cloud experts. We offer managed services, advisory services, licensing & in-house training. Our team uses advanced tools to deliver cloud solutions tailored to meet your business requirements. "

WHAT WE DO

- Streamlined data management process
- Cost-effective
- User interface
- Interactive customized reports
- Better flexibility

THE CLIENT

The Client is a non-denominational, non-profit Christian organization headquartered in Indianapolis. With a global reach, they deploy missionaries and collaborate with Christian ministries in over 25 countries. Their mission encompasses various areas such as church planting, serving the urban poor, international campus ministry, international development, and marketplace ministry. To streamline their operations and support their missionary efforts, they relied on an Intranet portal powered by SharePoint.

CHALLENGES

The client encountered several challenges that hindered their operational efficiency and limited their ability to reach their target audience effectively. These challenges included:
Cosmos DB Limitations: The client's Cosmos DB implementation did not support multi-region writes, impacting their ability to efficiently scale and replicate data across multiple locations.
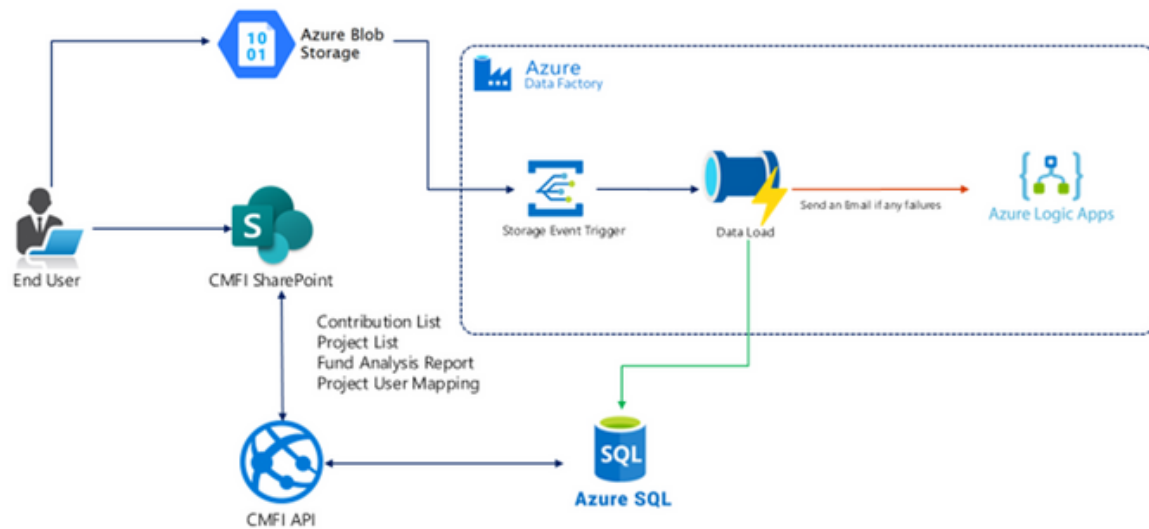No Location-based Access: Without location-based access controls, the client faced difficulties in ensuring optimal performance and providing geographically targeted services to their users.

UBTI, with certified and experienced professionals in Azure service, streamlined the firm's processes. To address this challenge, our team at UBTI proposed a comprehensive solution to overcome the limitations of SharePoint and optimize its data management capabilities. The key recommendation was to transition from SharePoint lists to Azure SQL as the new data source. This project is used to track and analyze the funds raised and generate contributor reports. Leveraging the power of Azure Data Factory, the daily data load process was seamlessly migrated to Azure SQL. This transition eliminated the need for batch processing and enabled a more efficient data retrieval mechanism.

SOLUTION BENEFITS

The adoption of Azure SQL brought about a multitude of benefits for the Client:

- Enhanced Speed and Minimal Downtime: Azure SQL ensures fast data processing and minimal downtime, enabling quick decision-making and uninterrupted access to information. This benefit can help the organization to improve its efficiency and productivity by reducing the time it takes to process data and make decisions.
- Cost-Effective Data Migration: Migrating to Azure SQL involves syncing gigabyte-sized tables without incurring excessive migration costs and optimizing resource allocation. This benefit can help the organization to save money on the cost of migrating its data to the cloud.
- Improved Availability and Scalability: Azure SQL offers high availability features and scalability, ensuring data remains accessible and accommodating future growth effortlessly. It can also help the organization to scale its data infrastructure as needed to accommodate future growth.
- High-Performance In-Memory Technologies and Intelligent Query Processing: Azure SQL leverages in-memory technologies and intelligent query processing for optimized performance and efficient data retrieval, enabling quick report generation and analysis. It can also help the organization to improve its customer service by providing them with quick and accurate responses to their queries.

ABOUT US

UB Technology Innovations, Inc. (UBTI) is a leading global technology solution provider with more than 3 decades of experience across all industries, specializing in Capital Markets (Asset Management), Logistics and Healthcare. We are the preferred Microsoft Gold Certified partner backed by a world-class team of Microsoft Certified experts with rich experience in Azure Cloud Platform and Data Analytics.

UB Technology Innovations, Inc.

2401 E Katella Ave, Suite 450

Anaheim, CA 92806

www.ubtiinc.com

company/ubti

info@ubtiinc.com

+1 (714) 912-1600

Connect us