Innovative Data Analytics Solution Enables Real-Time Platform Monitoring

Challenge

A leading company in the global entertainment and gaming industry faced a complex data challenge. They needed an integrated data analytics platform capable of efficiently analyzing a massive data set in real time. Ideally, they wanted a platform that could display analytics, insights, and other information from all data sources in one place. With over 250 disparate data sources generating more than 1TB of data daily, the client needed a solution that could handle such a large amount of data and still offer real-time monitoring of their platform. The client needed to:

- **Collect** information from 250 disparate data sources.
- **Analyze** over 1TB of data.
- **Monitor** platform health in real time.
- **Prepare** for the future with a powerful, scalable solution.

The client had previously attempted to use a symmetric multiprocessing (SMP) system to analyze their data, but it was not able to handle the workload required for such a complex environment.

Solution

Given the scope of the project, the client turned to INSPYR Solutions as an experienced technology solutions provider for recommendations on the right platform for this initiative. We recommended that the client move to a cloud-based parallel processing data platform because it would offer more power and greater scalability to perform the tasks the client required.

Our recommendation was Microsoft Fabric, which encompasses a range of solutions including Azure Synapse, Microsoft's flagship analytics appliance. As a certified Microsoft Gold Partner, our partnership resulted in Microsoft getting involved in the project. As part

Cutting-edge solution monitors over 1TB of data daily from 250+ disparate sources, enabling real-time health monitoring of the client's platform

CASE STUDY

of a strategic engagement, Microsoft funded half of the project.

We implemented our recommendations for modernizing the client's data and analytics environment, migrating it to the cloud, and configuring it for security and scalability. This included:

Setting up the architecture for Microsoft Fabric and building the multi-parallel processing system environment from the ground up.

Configuring Azure and establishing a robust network infrastructure, ensuring seamless data flow and connectivity between environments.

Integrating 250 disparate data sources into the system, enabling the client to analyze over 1TB of data daily.

Implementing live dashboards and alerting systems using Power BI, providing the client with real-time insights into platform health.

Outcome

Our Microsoft Fabric implementation provides the client with a modern, cloud-based data and analytics environment featuring capabilities that were not possible within the old system. Most importantly, the new platform enables real-time data analytics, visualizing the data and allowing the client to monitor platform health and analyze gaming usage in real time—a critical need for the business. With these real-time dashboards, the client can now detect and address potential issues immediately, ensuring the overall health of the platform and improving operational efficiency.

Our solutions made it possible for the client to:

Collect, analyze, and monitor over 1TB of data from 250 disparate data sources.

Implement live dashboards for real-time platform health, alerts, user activity, security, and more.

Scale resources as needed thanks to the flexible Microsoft Fabric cloud environment.

INSPYR Solutions deployed cutting-edge tools including a powerful multi-parallel processing system that transformed the client's data and analytics infrastructure, enabling the company to handle massive amounts of data in real time. The result was a cutting-edge Microsoft Fabric solution that not only met the immediate needs of the client but also laid the foundation for future growth.

Client Profile

A leading company in the global entertainment and gaming industry, the client is known for developing innovative and engaging content with a focus on storytelling and unique experiences. The company always strives to create content that pushes the boundaries of the interactive entertainment industry and builds communities where creativity and new perspectives can thrive.

Technologies Supported

Microsoft Fabric, Azure Data Factory, Power BI, Azure Synapse

About INSPYR Solutions

Technology is our focus and quality is our commitment. As a national expert in delivering flexible technology and talent solutions, we strategically align industry and technical expertise with our clients' business objectives and cultural needs. Our solutions are tailored to each client and include a wide variety of professional services, project, and talent solutions. By always striving for excellence and focusing on the human aspect of our business, we work seamlessly with our talent and clients to match the right solutions to the right opportunities. Learn more about us at inspyrsolutions.com.