

Accelerating Insights with Azure Synapse Analytics

Empowering Agile Financial Operations Through Cloud Data Modernization

PROBLEM

- Manual data consolidation and cleansing with disparate tools took two months to close financial books.
- Capacity constraints with on-premises infrastructure made purchasing servers unfeasible, requiring a scalable solution.
- Lack of a centralized data platform led to challenges in accurately capturing revenue and managing reinsurance costs.

SOLUTION + RESULT

- Deployed Azure Synapse Analytics for real-time data integration, cleansing & aggregation, reducing data retrieval time by 30%.
- Migrated to a cloud-based data warehouse in Azure, improving scalability & performance with Synapse SQL pools for faster data processing & analysis.
- Introduced Agile methodologies & implemented Infrastructure as Code (IaC) using Terraform & CI/CD pipelines, enhancing deployment efficiency & reliability.
- Leveraged AI algorithms for data validation & automation, resulting in a 20% increase in operational efficiency.

Terraform (IaC) | Azure Synapse Analytics | Power BI | Azure Cloud

AI COMPLEXITY LEVEL

