

DCM INFOTECH

DCM Infotech is a global IT services provider offering a wide range of services, including IT consulting, business process outsourcing, cloud services, professional services, automation services, digital transformation, and managed services. Our clients benefit from our highly skilled and certified engineers, cost-effective remote management capabilities, and robust processes. We are developing AI-ML solutions and services to contribute to the digital revolution.

DCM Infotech is part of the DCM Group, which has a diverse business portfolio. The group originally started as a textile company and has since diversified into various sectors, including IT.



CASE STUDY ON HOW MIGRATION TO THE CLOUD HELPED A FINANCIAL SERVICES COMPANY IN THE US, BECOME MORE AGILE AND SCALE THEIR BUSINESS

A leading provider of household credit and consumer loan solutions. They anticipate serving between 500 and 600 customers in the branch in its first year. The company complements its in-person customer service with digital and online offerings. They provide financing solutions for more than 11,000 retailers and independent auto dealerships, allowing these businesses' customers to apply for financing.



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This case study explores the cloud data migration journey of a financial services company, highlighting the challenges faced, strategies implemented by DCM Infotech, and the resulting benefits achieved. By transitioning their data infrastructure to the cloud, the company aimed to enhance scalability, increase agility, improve data security, and optimize operational efficiency.

Challenges: The Company faced several challenges with their traditional on-premises systems:

- **Inefficient Infrastructure:** The large data load was overwhelming the existing infrastructure.
- **Long Processing Time:** This led to frequent errors and delays.
- **Single Storage Database:** The reliance on a single storage database was limiting.
- **Expensive Storage:** Historical and archived data were stored in costly storage solutions.
- **Lack of Scalability:** There was no scalable solution in place.
- **Manual Processes:** Many processes were semi-manual, leading to inefficiencies.

Objective: To address these challenges, the company aimed to:

- **Modernize by Switching to the Cloud:** Transition from on-premises systems to a cloud platform.
- **Enable Real-Time Data Analysis:** Implement real-time data analysis for better business intelligence (BI).
- **Build a Data Lake and Data Warehouse:** Create a comprehensive data lake and data warehouse solution.
- **Automate Processes:** Automate hundreds of manual processes.
- **Optimize Costs:** Reduce costs associated with data storage and processing.

Solution: We provided a well-organized system that offered the following benefits:

- **Unlimited Storage:** The cloud platform provided virtually unlimited storage capacity.
- **Optimized Query Time:** Query times were significantly reduced, enhancing performance.
- **Migration to ADF:** Transitioned from PDI to ADF and SSIS to ADF for better data integration.
- **Cost-Effective Historical Data Storage:** Historical data was stored on the cloud at a lower cost.
- **Automated Data Processing:** Data processing was automated, reducing manual intervention.
- **Advanced Cloud Storage:** Leveraged advanced cloud storage

A comprehensive needs assessment and meticulous planning are crucial for a successful cloud data migration

With proper design, applications can scale workloads up and down as needed to reduce waste. This "operation-based pricing mechanism and pay-as-you-go model" is one of the biggest benefits of the Cloud for a financial sector