

Improve operational efficiency through batch modernization

To achieve business agility, enterprises must be able to access information either in real-time or just-in-time. When it comes to batch processing, workloads must be executed at high speed to ensure efficient business operations.

Batch modernization uses open systems to execute your workloads or batch jobs, allowing you to:

- Future-proof IT through progressive platforms, developer's ecosystem, software, and tools
- Reduce total cost of ownership by adopting open source and reducing MIPS
- Improve agility and time-to-market through automation and agile/DevOps
- De-risk legacy systems by minimizing aging workforce and outdated technologies

Infosys solution

Infosys provides a phased approach for batch modernization that enables continuous improvement and de-risks migration. With a focus on executing quick wins for immediate benefits, we leverage our proven Global Delivery Model that offers higher offshore support so customers can instantly realize cost benefits.

Our batch modernization solution offloads batch jobs to a variety of best-in-class open source platforms such as:

- Spring Batch framework, a comprehensive programming and configuration model, that provides high flexibility when implementing customized design and programming constructs for modern Java-based enterprise applications

- Extract, Transform and Load (ETL) for high volume and UI-driven jobs
- Hadoop for performance-constrained jobs that require high data processing while enabling data analytics and reporting workloads



Infosys approach

Our tools and accelerators reduce manual intervention, helping you save cost and time by 25-30%. Infosys Data Service Suite (iDSS) simplifies data migration by bundling services such as data profiling, cleansing, validation, and reporting into a single tool. We also leverage our Knowledge Curation Platform (Ki) that combines processes, static technology views and dynamic data points from systems to give you a single source-of-truth.

Our batch modernization solution uses the following approach to streamline implementation:

	Inventory Analysis	Uses a top-down approach by assessing your portfolio to identify the right applications for re-hosting based on surveys/meetings with SMEs Uses a bottom-up approach to discover hidden information and external dependencies in your inventory using in-house tools
	Reverse Engineering	Extracts business rules, documents key data flows and processes for data lineage and enables SME documentation with metrics
	Forward Engineering	Migrates existing business logic from mainframe to Spring Batch/ETL/Hadoop, identifies and transforms legacy batch processes and provides data visualization for analytics
	Implementation and Decommissioning	Enables phased deployment and cut-over while retiring current applications and providing data migration and validation
	Post Migration	Provides post migration support, user training and knowledge transfer while measuring the benefits realized



Why choose Infosys?

- Over 10 years of batch modernization experience across industries
- Resource pool of over 28,000 mainframe architects with multi-domain experience
- Well-defined best-practices, governance structure and program execution models for batch modernization



Success stories



Credit card company slashes transaction processing time by 40%: Infosys helped a leading global credit card company modernize their mainframe batch to Spring framework, thereby reducing the time taken to process 15 million transactions by 40%, lowering total cost of ownership by 30% and enabling end-to-end automation through a one-click automation framework.



Bank optimizes batch processing at lower MIPS: For a leading bank, Infosys implemented a solution that offloaded batches to Hadoop and migrated mainframe-based reporting jobs. This reduced execution time from one week to 1-2 days, cut MIPS consumption and reduced the batch window to 30 seconds.



Mainframe modernization helps bank improve data quality: Infosys leveraged a phased approach to de-risk the migration of mainframe batch to IBM ETL tool DataStage for a large US-based bank. The new platform reduced cost by 25% and supported data quality checks that meet enterprise data management and architecture requirements.

Modernize batch processing to achieve business agility. Connect with us at modernization@infosys.com to know more.

For more information, contact askus@infosys.com

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