SYNTEL
Consider IT Done®

Evolve the Core with Syntel's Legacy Modernization Services

Most organizations have large and extremely complex IT legacy systems which have been developed over the years through huge investments. Legacy systems provide a competitive advantage by supporting unique business processes and contain invaluable institutional knowledge and historical data. Despite their obsolescence and a drive to get away from legacy, modernizing legacy systems is perceived as a high-risk initiative.

Syntel's Solution

Syntel's legacy modernization services prepare organizations to become digital enterprises through loosely coupled, flexible, microservices integration and accelerators. Our modernization framework also builds strength and agility into your IT portfolio in order to scale with changing business needs. Most importantly, our solutions provide a risk-free approach to legacy modernization and reduce complexity in your newly modernized systems.

End-to-end Modernization Services

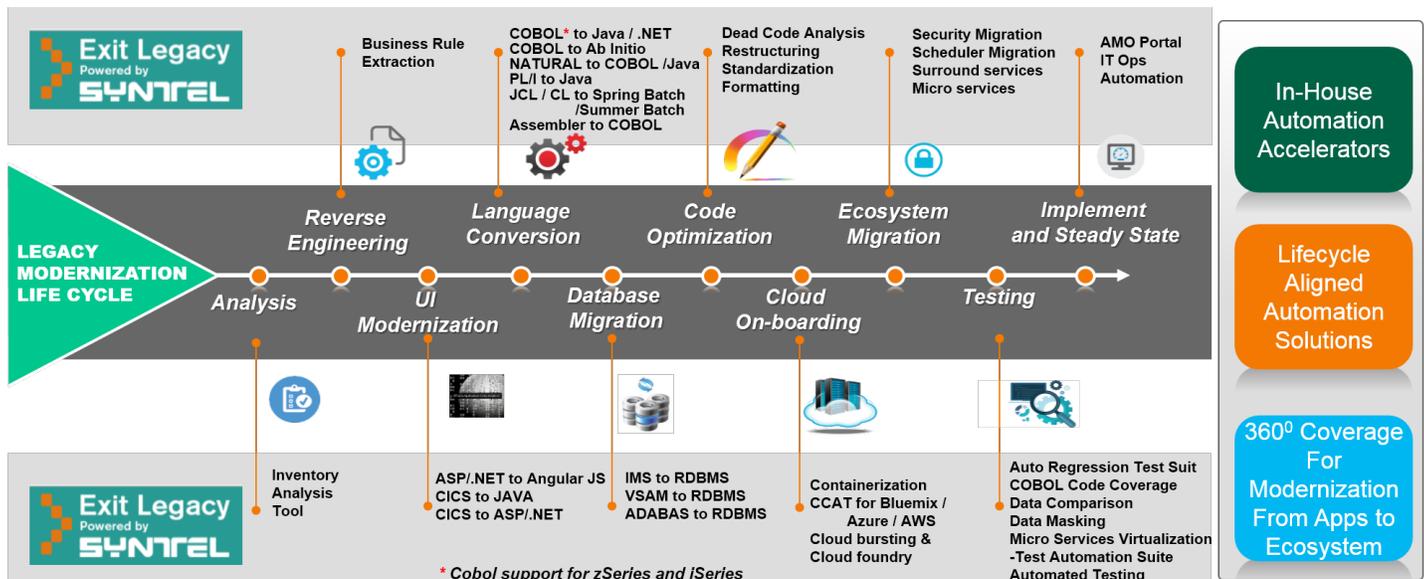| Business Re-architecture	Application Re-architecting	Cobol to Container
• Business process mining and transformation • Leverage model portfolio • Portfolio consolidation and rationalization • Application integration and retirement • SOR, SOI, SOE separation • Future-ready systems	• Reverse engineering legacy systems • Static/dynamic/auto business rules extraction • Microservices-based architecture • Modern user interface design studio • Compressed timeline and reduced risk	• Automated language conversion • Automated data and database migration • Automated ecosystem migration • Automated code optimization • Deployment to cloud and containers

BUSINESS BENEFITS

- 70% reduction in operational costs
- 50% savings in migration costs
- ~70% automation in database conversion
- 50% reduction in effort
- Higher efficiency and seamless data exchange across business
- 50% faster modernization
- Enhanced availability, stability, scalability and user experience

Automation Powering Modernization Journey

Exit Legacy Powered by SYNTEL

Top labels	
Business Rule Extraction	
COBOL* to Java / .NET COBOL to Ab Initio NATURAL to COBOL /Java PL/I to Java JCL / CL to Spring Batch /Summer Batch Assembler to COBOL	
Dead Code Analysis Restructuring Standardization Formatting	
Security Migration Scheduler Migration Surround services Micro services	
AMO Portal IT Ops Automation	

LEGACY MODERNIZATION LIFE CYCLE

Reverse Engineering — Language Conversion — Code Optimization — Ecosystem Migration — Implement and Steady State

Analysis — UI Modernization — Database Migration — Cloud On-boarding — Testing

Inventory Analysis Tool

ASP/.NET to Angular JS
CICS to JAVA
CICS to ASP/.NET

IMS to RDBMS
VSAM to RDBMS
ADABAS to RDBMS

Containerization
CCAT for Bluemix /
Azure / AWS
Cloud bursting &
Cloud foundry

Auto Regression Test Suit
COBOL Code Coverage
Data Comparison
Data Masking
Micro Services Virtualization
-Test Automation Suite
Automated Testing

Exit Legacy Powered by SYNTEL

* Cobol support for zSeries and iSeries

- In-House Automation Accelerators
- Lifecycle Aligned Automation Solutions
- 360⁰ Coverage For Modernization From Apps to Ecosystem

Recursive Automation is Our Core Competency

- Risk-free transformation

- 100% business rule extraction using patented processes and tools

- Migration lifecycle-based "Exit Legacy" portal

- Built-in code quality checks to ensure robust new applications with improved code quality

- Exit Legacy accelerators — analyzers to re-architect, data/database migration, ecosystem migration, code optimization and cloud onboarding

- Integration with social media, mobility, data analytics and cloud platforms

- Enables quick cloud adoption to benefit from advanced PaaS platforms like Cloud Foundry

- Wizard-based automated re-architecture, so SMEs participate and design point of arrival without worrying about technology implementation

- Enable Enterprise Capability as a Service model

- Enable omnichannel business models

- Microservices wizard to exploit already created microservices, instead of re-creating legacy in new platform

Tools and Accelerators:

Syntel's Exit Legacy portal hosts a number of powerful solution accelerators that enable legacy infrastructure modernization. The platform is designed to modernize project lifecycles to ensure the entire ecosystem is modernized, not just application components or data. With Exit Legacy, the transformation becomes faster, risk-free and cheaper.

Delivering Excellence

Transforming Legacy IT and Delivering a $200 Million Impact through Modernization

A leading global logistics company wanted to modernize their legacy mainframe infrastructure to reduce costs, implement new functionality and increase efficiency. They turned to Syntel to help them execute the project, including the following major efforts:

- Consolidate multiple Accounts Receivable (AR) systems across their divisions to a single AR platform
- Create a repository to act as a single source of billing data
- Eliminate/decommission duplicate systems

Syntel's Solution

- Create a transformation roadmap for application modernization and data migration
- Increase automation coverage in their central testing environment
- Decommission redundant applications
- Create a governance model for their multi-vendor efforts
- Consolidate six different invoice data stores and re-architect COBOL/IMS applications in Java/Oracle, with batch to real-time processing re-architecture

Business Results

- Migrated and cleansed data on **250 Million customers and 1.5+ Billion invoices** from mainframe
- Dramatically reduced mainframe MIPS, resulting in a **$28 Million TCO reduction** over five years
- New functionality is projected to generate **$172 Million** in new revenue over the next five years
- The new consolidated data model **supports invoicing in 185 countries**, to ensure future scalability

For more information, visit Syntel online at **www.syntelinc.com** or call us at **US/+1 (248) 619-3503, UK/ +44 (0) 207-636-3587**