Navigating Forward

Application Modernization as Your Business Transformation Pathway

Organizations are redrawing their maps...

89% of large companies globally have a digital and AI transformation underway

Setting course for thoughtful business reinvention that transforms their foundations to create new opportunities in a rapidly shifting environment

41% are modernizing core back-end applications

35% are modernizing data/analytics/business intelligence applications

Redesigning and Reimagining Applications Requires

Business Rules Extraction (BRE)

- ☑ Identifying
- ☑ Analyzing
- ☑ Documenting

business rules that are embedded in existing IT systems, legacy applications, and operational processes.

Business Rules define how an organization functions—governing decision-making, workflows, and interactions with customers, suppliers, and employees.

In a business transformation, these rules must be assessed to determine whether to retire, keep, or update and transform them to new technologies. They can be found in:

- **Legacy Codebases** (e.g., COBOL, Java, or custom-built applications)
- **ERP & CRM Systems** (e.g., SAP, Oracle, Salesforce)
- **Business Processes & Workflows**
- **Compliance & Regulatory Guidelines**
- **Employee Knowledge & Unstructured Documents**

Path to Application Modernization for Business Transformation

DOCUMENT YOUR APPLICATIONS → **EXTRACT BUSINESS RULES/GENERATE USER STORIES** → **AUDIT/ANALYZE BUSINESS POLICIES** → **MODERNIZE APPLICATIONS**

Modern systems should be documented to keep knowledge up to date for future system enhancements

Smooth Sailing Ahead: Agile BRE on the Intellisys Platform

Intellisys facilitates the consolidation, categorization, and export of rules or the generation of user stories – all while eliminating code freezes and using AI to speed up the process.

60% or more reduction in time and effort

Agile Business Rules Extraction for a Business Transformation

Discover, audit, and organize policies and algorithms to determine how to move them forward in the new system

Consolidate application portfolio by identifying obsolete, duplicate, and subset rules

Identify or validate suitable modern off-the-shelf replacements (COTS/SaaS). Export relevant rules into these products/platforms

Automatically generate user stories and facilitate a complete rebuild of a system or multiple systems

Support for 20+ programming languages

ADSO	JCL/CL/ECL/DCL
ASP/JSP	Natural/ADABAS
Assembler	Oracle Forms
C	PACBASE
C#.Net	PL/I
COBOL	PL/SQL/T SQL
Cold Fusion	PowerBuilder
EasyTrieve	RPG
Forte	Universe Basic
FoxPro	VB
Java	VB.Net

Organizations Charting a Successful Course

Global Telecom Company

A nation-leading telecom provider consolidated 5 regional billing systems into 1 modern strategic system using the Intellisys platform. 2 million lines of legacy Assembler code were documented, extracted, rationalized and merged, generating $10 million in estimated savings. The target application met all business and regional requirements.

State of New York

The State of New York's Integrated Eligibility System used Intellisys to automate business rules extraction from 31 millions lines of COBOL, Java, and .NET code in 3 years. The state is rebuilding the system from the ground up and this work provided inputs for a roadmap to develop the future IES system. They achieved resource efficiencies of around 3X including identifying the impact of updates made to the system while modernization work was performed.

Leading Healthcare Insurer

A large healthcare provider documented and extracted rules from 1.5 million lines of COBOL code in order to move the relevant rules into the Drools business rule management system. The project was completed over 2 phases in ~ 8 months and simplified processes of creating future user stories and test cases.

Ready to learn more?

Download the full eBook now

Sources
https://hbr.org/2023/07/the-value-of-digital-transformation
https://konveyor.io/modernization-report/

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