

Navigating Forward

Application Modernization as Your Technology Transformation Pathway

The primary drivers of modernization are:

96%

Security

Secure loopholes related to legacy systems

95%

Reliability

Mitigate the risk of system failures from apps written in technologies with dwindling support

94%

Scalability

Ensure your systems can keep up with the latest technological advances and needs

To achieve these benefits,

85% of organizations plan to take an iterative modernization approach, starting with **technology transformation** strategies.

Organizations embark on technology transformations due to:



End of life for the legacy technology



Scarce support resources skilled in legacy technology



Poorly constructed code making it difficult/risky to maintain and update



Lower risk by conducting a Technology Transformation prior to a Business Transformation

These transformations typically follow 2 paths:

Migrate As-Is

No code/rule/architecture optimizations

Optimize and Migrate

Optimize code/rule architecture for new technologies

Outcomes include moving to the cloud, new hardware, and/or modern coding frameworks

The Code Migration Roadmap:



DOCUMENT YOUR APPLICATIONS

Develop an understanding of business logic, database details, and critical dependencies



REFACTOR METADATA

Optimize source code to avoid code bloat and reduce complexity



MODERNIZE APPLICATIONS

Migrate to modern code/architectures that are maintainable and scalable based on what works best for each application



TEST AND RELEASE

Ensure that application meets functional and performance requirements prior to releasing to production

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

Crossing the Digital Divide:

Code Optimization & Migration on the Intellisys Platform

Intellisys enables optimization & migration of legacy applications to modern technologies without performance degradations or inefficiencies.

 40% or more reduction in time and effort from start to finish

Agile Business Rules Extraction for a Technology Transformation



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



Simplify maintenance with modern, scalable code and the ability to generate current documentation on migrated applications

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 Investment Company



A multi-billion dollar investment firm used Intellisys to transform an AS400 COBOL transactional system to Java and PL/SQL in just 10 weeks. The project included automated reverse-engineering of the application to extract its metadata, optimization of that metadata, and automated transformation to Java. Up to date documentation was also created for the new application.

US Department of Defense



A Dept of Defense agency turned to Intellisys to migrate a critical legacy recruitment system to Java in 6.5 months. The project included documenting, optimizing, migrating, testing, and full deployment of the new system. The modern application also had no run-time dependencies reducing maintenance costs.

Arlington County



Arlington County migrated two service costing and invoicing systems using the Intellisys platform in 8 months. The systems were originally written in COBOL, CA-IDEAL, and DATACOM and were migrated to the .NET platform, with no performance degradations. With the cost savings in maintenance and operations, the transformation generated an ROI of over 30%.

Ready to learn more?

Download the full eBook now



EVOLVEWARE