



A comprehensive set of tightly coupled technologies that Migrate iSeries/i5 applications to the .NET platform

Business Benefits

→ Fastest time to market

Once you have identified the applications to migrate, ASNA Monarch™ takes iSeries/i5 RPG programs, display files, CL, menus, message files, data areas, printer files and data files to .NET in a matter of minutes. You don't need to populate a secondary repository or otherwise prepare the original program - they are ready to go as is.

→ Managed migration

Monarch has built-in metrics to help you identify hotspots that have the potential to require more hands-on migration work. This "density" factor is designed to help you quickly identify those programs that will move quickly from those that will need additional work.

→ Migrates to industry standards

Monarch migrates your interactive 5250 programs to ASP.NET browser-based applications running in IIS 6.0.

→ Best ROI for modernization

Not only does Monarch reuse your source code, but, because that source persists as RPG, your existing RPG development team retains "ownership" of the newly-hosted .NET programs. There is no Java, C++ or C# code generated. It is 100% ASNA Visual RPG and 100% maintainable by your existing RPG programmers.

→ Just the beginning

ASNA Monarch™ is much more than a simple-source migration facility. Monarch is a comprehensive set of tightly coupled technologies that analyze your iSeries applications and moves them to Microsoft .NET. While retaining the value of your iSeries investment, Monarch not only breathes new life into your existing iSeries/i5 application portfolio, it also provides your enterprise's entry point into the exciting world of .NET, Web Services and Service Oriented Architecture.

Technology Overview

Tightly coupled with other ASNA .NET technologies, ASNA Monarch™ migrates your green-screen RPG to ASNA Visual RPG for .NET. Once migrated, you compile that code with ASNA Visual RPG's compiler. You are in full control of the project along the way. And, after migrating a project, you can easily customize and extend that project in a number of ways.

Uniquely positioned

Monarch distinguishes itself from other simple-source translators in a variety of ways:

→ Monarch is the only .NET migrator that converts from RPG to RPG.

While other products attempt to translate RPG into C# or Java, Monarch converts your iSeries/i5 RPG/400 and RPG IV fixed and free source code into RPG for .NET. Monarch's RPG is compiled with ASNA Visual RPG for .NET to create 100% verifiable Microsoft Intermediate Language (MSIL) binaries.

→ Monarch migrates more than just the program source code.

Using its Migration Agent technology, Monarch converts collateral, yet important, parts of the application (including Menus, CL, Display Files, Printer Files, Message Files and Data Areas) to provide a full migration of the application. Monarch even implements the program message queue.

→ Monarch provides its own comprehensive OS/400 program object discovery process.

To ensure the migration process is effective and includes everything necessary, Monarch provides its own OS/400 object inspector-that communicates directly and in real time to the iSeries/i5.

→ Monarch optionally converts your iSeries/i5 data into Microsoft's SQL Server.

This capability is another reason Monarch is truly a full-features application re-hosting facility. Employing ASNA DataGate for SQL Server, the Visual RPG applications continue to use the familiar RPG data access operation codes like CHAIN, READE, READP, COMMIT, ROLBK. There is no SQL substitution in the programs!