

WizData Case Study:

Visual Basic 6 to .NET Migration

About Company:

A leading manufacturer of specialty Enterprise Resource Planning (ERP) software.

Business Problem:

The ERP package had been written in VB6 and required to be upgraded for performance and stability reasons. The source code consisted of over half a million lines of code with over 100 individual forms.

Since the package was in the active development stage and development schedules did not allow for extensive down time, the software package had to be converted to .NET rapidly.

Approach:

WizData's team of qualified professionals completed an initial project review which revealed an extensive use of custom VB 6 controls, many of which did not have an exact equivalent in .NET. A manual upgrade of 3rd party controls would have taken too long, so WizData created a set of specialty tools to facilitate the upgrade. To minimize code freeze while still in VB6, the code was modernized to ensure a smoother conversion. The project was then converted to .NET using a combination of WizData's proprietary tools and tools provided by Microsoft. The remaining unresolved VB.NET compatibility issues left by the automated processes were fixed manually by our 6 team members. Lastly, converted code was taken through an extensive quality assurance process, before being delivered to the client.

Results:

WizData worked hand in hand with the customer to ensure seamless integration of the converted code into the client's infrastructure. The code upgrade resulted in an 18% overall performance gain and a 60% performance gain on database intensive operations.

About us:

WizData Systems, a Microsoft Gold Certified Partner, is a leader in technology consulting and software development. Founded in 1998, the company offers years of experience with VB.NET, C#, ASP.NET, SQL Server, as well as other Microsoft technologies. WizData creates high quality custom applications that empower our clients.



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