

TAX GOVERNANCE SYSTEM FOR A NEBRASKA BASED ISV



Industry: Independent Software Vendor

Customer Profile

The customer is a leading supplier of integrated software solutions for local government. They have provided solutions to users across the United States, in over 100 jurisdictions.

Client Situation

- The customer needed to upgrade and migrate their existing legacy tax governance solution to a new technology platform
- The system needs to calculate, pay and distribute taxes on properties and assets
- The product needs to integrate with a few 3rd party products and back office accounting systems in a seamless manner
- The application needs to be a composite one i.e. different independent modules need to be composed in many of the pages through configuration only so that the customer could modify the product for different end customers without any development effort

Congruent's Solution

- Congruent built a custom .NET based windows client, ClickOnce deployment enabled application using which the end customer could calculate the tax on properties and assets, collect it from the tax payers and distribute it for different funds. This was accomplished using custom business logic and some 3rd party solutions
- The solution helps the end customers to know the appraised value of a property or an asset
- CAB design pattern was followed to make the application 'composed' of independent modules

Key Challenges

- Very intuitive UI to reduce the training cost
- Implementation of CAB architecture
- Integrating a COM DLL (M&S) and other little known 3rd party products
- A code generating module that was part of the main application
- Complex tax distribution rules

Benefits

- Migration to the newer technology platform helped the ISV customer to excel in the changed market scenario where end customers increasingly demand high performance, scalable and maintainable solutions
- With the CAB architecture, the ISV was able to plug/un-plug modules for different end customers with no extra development effort resulting in enhanced maintainability and cost saving
- Increased market demand and sales for the ISV customer- not only the existing end customers were migrated to the newer version, they were able to sell the product to a few new customers too
- At any point of time, the county will be able to know the value of the property based on the different factors

Technology Used

- Microsoft .NET 3.5, Visual Studio 2008
- C#.NET
- Composite Application Block
- Enterprise Library
- Microsoft SQL Server 2008
- SSRS 2008
- ClickOnce Deployment

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