

# BRIDGE THE GAP

Thomas Pittman enabled IT applications of a major provider of secure networks to talk to each other.

## SUCCESS STORY SUMMARY

**Company Name:** MegaPath Networks

**Known For:** Provider of secure access and managed network solutions

**Challenge:** Enterprise IT applications need to call each other but cannot because APIs are written in different languages

**Solution:**  
Thomas Pittman system integration

Software applications in the modern enterprise are often provided by different vendors written using different methodologies and technologies. Such was the case when MegaPath networks chose and implemented a billing system that was written using Java technologies in an environment where the application needed to interface with legacy Visual Basic applications.

## THE PROBLEM

MegaPath decided to implement the most functional and optimal billing solution for them. They did not want to be constrained by the existing technologies of other application modules in their enterprise. However once that decision was made, they were faced with the challenge of a billing system written using the Java application platform and an existing (and growing) cadre of applications written in Visual Basic. These existing

applications needed to interact with the Java application programming interfaces (APIs) of the billing system.

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We are thoroughly pleased with Thomas Pittman Consulting's work.

It was substantially under budget, and we're using it as a core piece of our integration project.

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**Bob Smiley**  
Director, Software Development  
MegaPath Networks

## BUILDING A SMART INTEGRATION

MegaPath selected Thomas Pittman Consulting to solve the problem. Thomas Pittman implemented a solution using Microsoft's .NET, XML, and XSL technologies that generated Visual Basic code allowing MegaPath IT developers to make calls in their native development language complete with Intellisense® within Visual Studio .NET™.

Code generation is an important component of the project as MegaPath did not want to be tied into one language for life or to have to use resources to re-develop their solution when they updated their technology platforms. Thomas Pittman created a solution enabling MegaPath to change the language of the generated API code simply by changing a single code template. The Thomas Pittman solution was built so that the API and code generation would be metadata driven. As the APIs have to change (calls are added, changed, or removed) MegaPath can generate a new API by simply changing metadata and regenerating the code. Developing a solution with an eye on extensibility was and is a huge cost savings for MegaPath, as common system updates and changes don't cause them to have to make costly changes to the glue that holds their systems together.

Let Thomas Pittman Consulting help you as they did [MegaPath Networks](#). Check us out at <http://www.thomaspittman.com> and contact us at [sales@thomaspittman.com](mailto:sales@thomaspittman.com).

