



Anitech Creates Smartpen Connect’s Transcription, Email and Secure Cloud-based Content Management Storage Solution

Paul Kelly, founder of Smartpen Connect (SPC), was awarded funding from Microsoft’s BizSpark startup program based on his vision for a fully integrated, state-of-the-art, smart pen managed service offering designed specifically for the Legal profession. After receiving funding, Paul retained Anitech to develop a cloud-based platform for delivering their "managed service offering," allowing any size firm to consolidate all meeting source material into one document, while making the document available in any email program or filing it automatically in a case management system. His vision has the potential to improve industry-wide efficiencies by bridging communication gaps.

Challenge

Today legal secretaries transcribe written notes and meeting audio from attorneys; a time consuming and costly process. Firm case managers are hindered by the delay caused by attorneys having to hand-deliver these items to their secretaries. Smartpen Connect (SPC) founders realized the need for a productivity tool to efficiently and reliably capture, transcribe and file proprietary information.

"The important piece was they got it quickly and were able to work with the technologies we cared about. We see Anitech as a continuous preferred development partner in whatever capacity we take the application next."

- Paul Kelly, CEO & Founder, Smartpen Connect

Solution

Secure To & From The Cloud: Smartpen Connect’s clients are law firms, making security the primary concern. To ensure data on the pen could be securely transferred to the cloud, Anitech designed the initiation process from Windows Azure to “immediately transfer” data from the pen to the cloud. The data is then transferred from the cloud using public and private key based encryption to ensure secure receipt at the destination email account or case management system. Also, the pen is "auto-synced" every time attorneys link to a Wi-Fi network.

Lost Pen? Problem Solved: In the event a pen is lost, a fail-safe architecture was built allowing I.T. directors to remotely deactivate misplaced pens and secure information. This included a "remote purge" app ensuring information on the pen is deleted if the pen is connected to the Net.

IT Console: Smartpen Connect end user management console allows IT Directors to setup, configure and manage any number of pens. Additionally, usage and support are monitored to enable transparent billing for transcribed content.

Tools and Technologies

- .NET / C# / LINQ / ASP.NET MVC
- ASP.NET Web API / WCF REST API
- Azure SQL Server / SSIS
- Microsoft Azure
- SQL Server Integration Services
- HTML 5 / CSS
- OpenXML SDK
- Entity Framework

Third Party Services

- Zapier
- Evernote
- Visual Objects

Results

- **55% reduction** in time-to-market, meeting aggressive timeframes to secure third largest law firm in Ireland and Irish Central Bank engagement
- **40% savings** in development costs over domestic alternatives
- **100% satisfaction** on behalf of Smartpen Connect founders, ongoing relationship