

CASE STUDIES

Aspose.Pdf for .NET Case Study



Ambulatory EHR

Abraxas Practice Management and Electronic Medical Records
(Abraxas PM and EMR)

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About Abraxas Medical Solutions

Abraxas Medical Solutions provides software application for electronic medical records (EMR) and practice management (PM) using a single Microsoft-SQL © database. Along with its state-of-the-art software application, Abraxas offers implementation and training services to automate the entire workflow of medical office for a more efficient and profitable practice.

Abraxas EMR is designed with an intuitive graphical user interface (GUI), making it very easy for the medical providers and the office staff to adapt to. In addition, Abraxas EMR can be populated with a clinical knowledgebase that is specific to the medical specialty or specialties of your practice. The clinical knowledgebase can be edited as needed, enabling customization of EMR software to suit client needs.

Abraxas EMR software solution has earned CCHIT 08 Certification for Ambulatory EHR certification from CCHIT (Certification Commission for Healthcare Information Technology), currently the only set of standards for the electronic health record (EHR) industry. This means that Abraxas EMR has been rigorously tested and shown to meet the EMR certification requirements in terms of functionality, security, and interoperability.

For maximum efficiency, Abraxas software comes with its own faxing solution as a standard feature eliminating the cost and the hassle of integrating with a third-party faxing solution.

Problem

Faxing documents is a function that is heavily used by our clients to instantly communicate to referring physicians, payers, pharmacies, and patients from the application. Our goal was to eliminate a print driver, improve the faxing functionality and support new platforms.

We needed to create a PDF dynamically without using a print driver for a C# Windows application. The PDF is faxed to a list of recipients from the application.

Solution

By using Aspose.Pdf and Aspose.Words, we could create a single PDF that combined a fax header, body and selected image files such as a JPG, TIFF, BMP and GIF. The application

interfaces to Microsoft Fax to send faxes out using internal and external modems. And the resulting PDF is faxed to a list of recipients. Unifying all document types that could be used within the application and producing uniform PDF files to feed to Microsoft Fax was a key factor for compatibility across different operating systems.

Figure 1: With the Abraxas application allows users to send a fax easily.

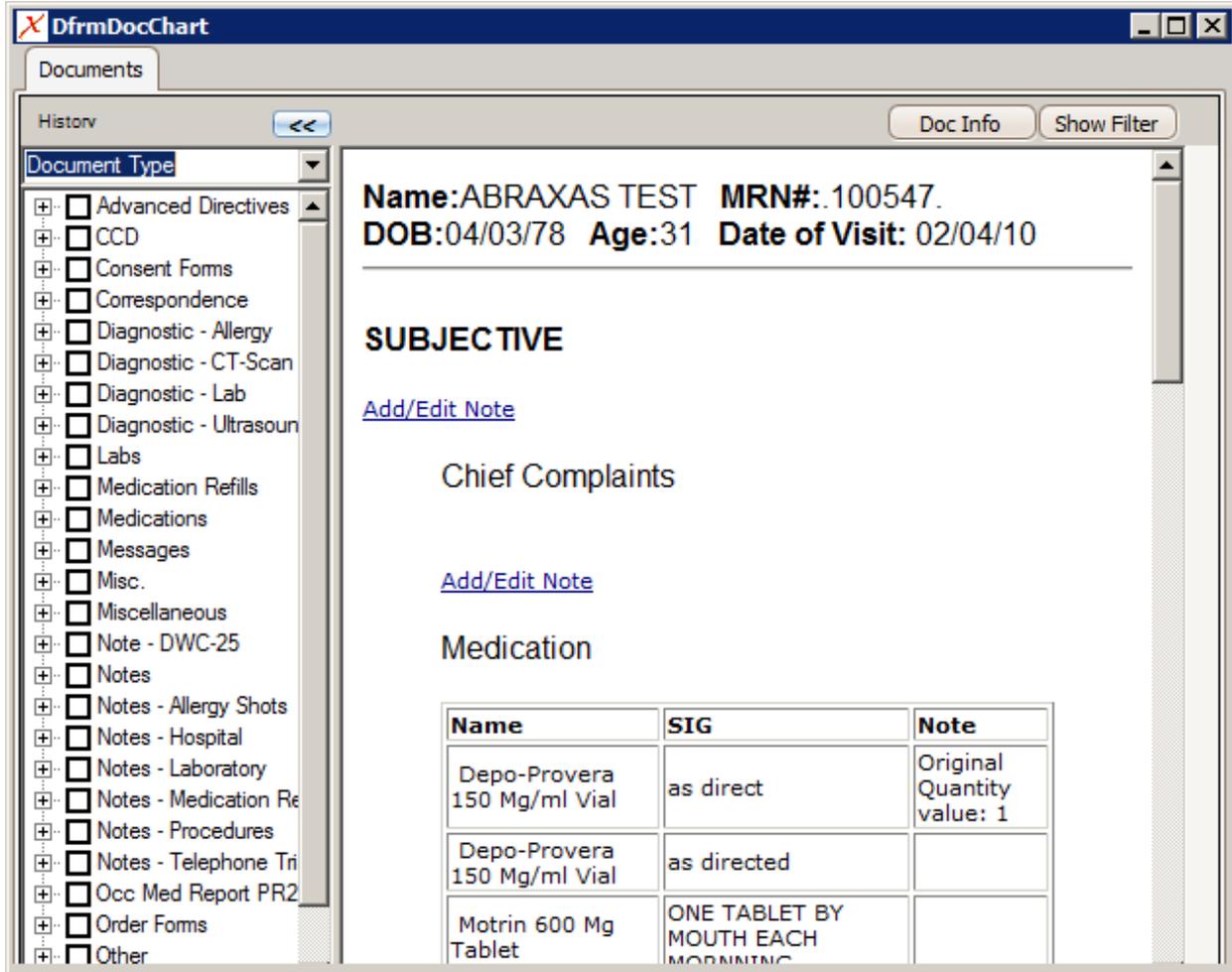
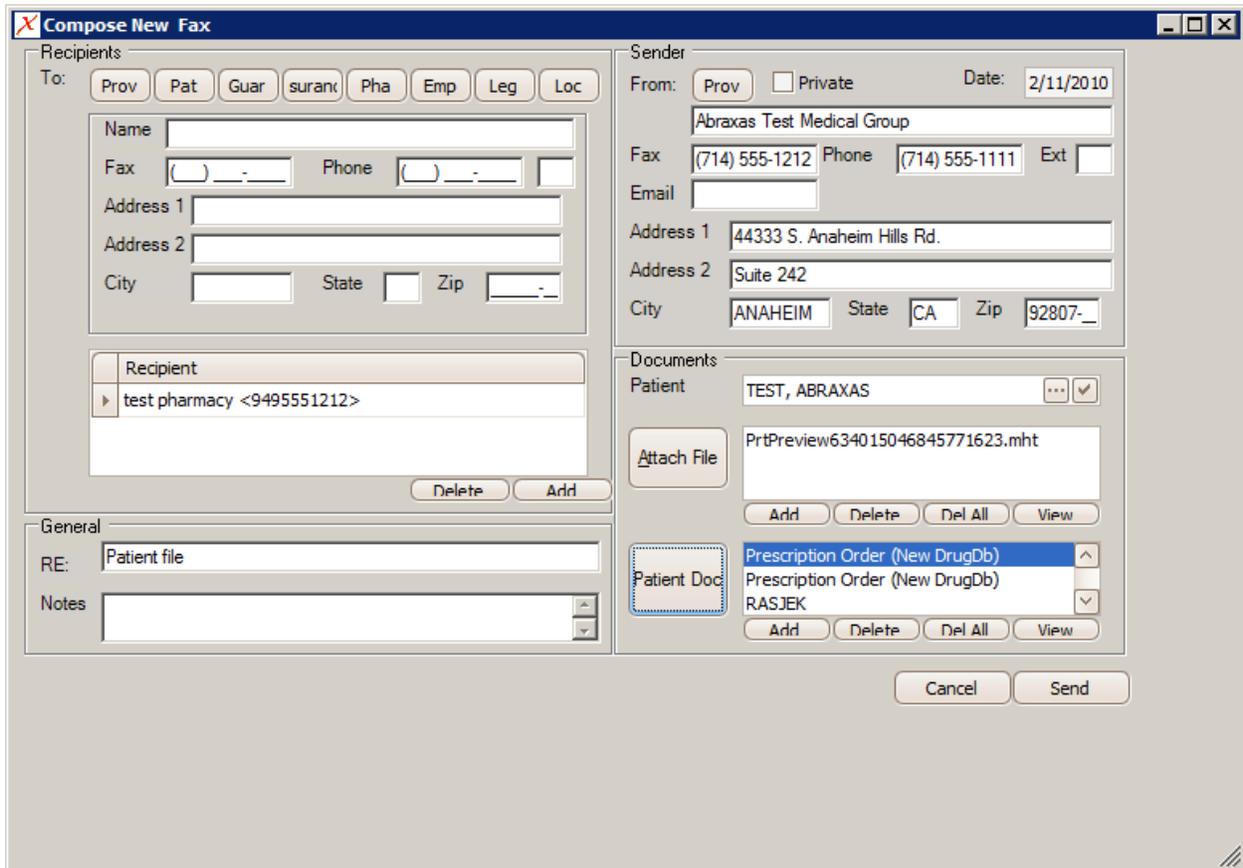


Figure 2: Composing a new fax.



The screenshot shows a 'Compose New Fax' window with the following sections:

- Recipients:** Includes tabs for 'Prov', 'Pat', 'Guar', 'suran', 'Pha', 'Emp', 'Leg', and 'Loc'. Fields for Name, Fax, Phone, Address 1, Address 2, City, State, and Zip. A recipient list shows 'test pharmacy <9495551212>' with 'Delete' and 'Add' buttons.
- Sender:** Includes 'From:' (Prov, Private), 'Date:' (2/11/2010), 'Abraxas Test Medical Group', 'Fax:' ((714) 555-1212), 'Phone:' ((714) 555-1111), 'Ext:', 'Email:', 'Address 1:' (44333 S. Anaheim Hills Rd.), 'Address 2:' (Suite 242), 'City:' (ANAHEIM), 'State:' (CA), and 'Zip:' (92807-__).
- Documents:** Includes 'Patient:' (TEST, ABRAXAS), 'Attach File:' (PrtPreview634015046845771623.mht), and 'Patient Doc:' (Prescription Order (New DrugDb), Prescription Order (New DrugDb), RASJEK) with 'Add', 'Delete', 'Del All', and 'View' buttons.
- General:** Includes 'RE:' (Patient file) and 'Notes:'.

Buttons for 'Cancel' and 'Send' are located at the bottom right.

Experience

Time to learn about Aspose and implement the solution was very quick. Implementation was simple and straightforward. With wide industry use, some members of our development team had prior experience using different Aspose components which helped shorten our implementation cycle.

Troubleshooting was very efficient and quick due to reliability and robustness of Aspose.

Next Steps

We will definitely consider using Aspose to implement our future requirements. Our application automates the entire workflow of a medical practice and there is a constant flow of future enhancements requests. We will consider using Aspose solutions in many of these

projects. These areas include email communication, patient portal, medical devices interface, and other regulatory requirements in the medical field.

Summary

We liked using the demo version to test the product before committing to purchase it and we liked how quickly we could understand and implement the solution.

Figure 3: The document queue.

