



Aspose.Words



Health Information Communication Technology

HICT – Medical Devices Integration Component

Aspose.Words and Aspose.Pdf Implementation Case Study

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Product Background

For a major supplier of Medical Devices, HICT has written an extensive bi-directional integration component to fully integrate the former stand-alone devices into a generic hospital infrastructure. The integration component supports numerous workflows and infrastructures:

- HL7 ADT v2.x communication with Patient Administration System, both in a responsive way as in a query & response scenario.
- Comprehensive management of a Medical Device's Worklist with possibility for automatic, semi-manual or manual management.
- Medical Device Report parsing in a multitude of formats, amongst the most used are Word and PDF format.
- Communication with Result Server System in a multitude of formats, with possibilities to stream results, generate new PDF reports, etc.

Requirements Scenario

A newly requested feature by some important customers was to have the Integration Component generate a new PDF report, based on a dynamically generated set of information. The information contained in the report is medical information, and is subject to strict privacy and patient safety regulations.

Solution Implementation

After research the **Aspose.Words** and **Aspose.Pdf** components were chosen. The main reasons were the ease of implementation

Benefits

The **Aspose** .NET components are very lightweight, managed code, provide structured exception handling, etc. allowing software manufacturers to implement non-core functionality without hassle.

Other key features include:

- Great performance.
- Minimal learning curve.
- Comprehensive documentation and support forums.
- Detailed C# code samples delivered with components.
- Royalty free distribution (Developer OEM Subscription).

Conclusion

For this project, the components gave us more than what we bargained for. The implementation was a breeze; the added value ensured full customer satisfaction.

For future projects, where components might be required, Aspose is definitely the first place we will look. If they provide what we need, the search stops at Aspose.