



# Monitor.Net

**LORYX|SYSTEMS**

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Production of viable Legal documents

Paul Allaire, 12/17/08

## Product Background / Overview

Monitor represents the next generation in criminal justice client management, offering proprietary functions and features, including Intelligent Partner technology that make a difference in day-to-day agency operations, benefiting managers, line staff, offenders, and victims.

An enterprise class criminal justice client management system, Monitor provides a single, state-of-the-art, integrated database solution that meets all of the investigation, supervision, institutions, document management, financial accounting, reporting, and management needs of community corrections agencies for both adult and juvenile offenders. Our advanced roles based security system allows clients to set permissions for individuals and groups of users that determine exactly what functions and records each person can view and modify.

Data needs to be only entered in Monitor once, after which it is available to all users in real time based on one's security permissions. Our application design allows instant access to information and our system of management reporting, alerts, and ticklers/messaging facilitates accurate and well-informed decision making. The result is increased efficiency, communication, and agency effectiveness.

Monitor facilitates extensive data collection with a user-friendly interface, is configurable to meet the needs of local jurisdictions, and generates the forms, reports, and statistics required by best practices for criminal justice agencies, including adult and juvenile probation departments.

Monitor meets the performance-based management and functional standards for management information systems developed by the American Probation and Parole Association (APPA), as well as national pretrial, institutions, and drug court standards.

## Requirements Scenario

Produce of legally viable document in locked PDF format using a set of tools adopted by our industry that supports electronic signatures only into Word documents.

## Solution Implementation

We added both the Word and PDF pieces to the Document Management subsystem of our product. This system runs as a windows service and prior to this implementation utilized a printer driver to produce and unsigned PDF for use as a legal document. The current implementation accepts an upload from a Word addin into a WCF service. The service then takes the MemoryStream object and converts it into a PDF document and digitally signs it, using a proprietary system key. It is then written to a document store.

The service also returns a document upon request, an individual user might have different versions of Word installed, this is set at the user level in our system, and if loading a word document to be edited, we use the word functionality to convert the template into the appropriate Word document, .doc/.dot/.docx, depending on user settings.

## Benefits

We realized several benefits by implementing the Word and PDF tools provided by

ASPOSE. The initial benefit was a reduction in licensing fees as Office no longer needed to be installed on each provided server. In addition to those immediate savings we saw an additional benefit in being able to programmatically lock and sign the PDF documents, and since the PDF was implemented programmatically within a service instead of as a print driver, the overhead of having to provision multiple accounts on servers to accept the printer writing to them was instead turned to a single domain account with permissions on various machines.

## Future Implementations

We plan to continue to use ASPOSE tools as part of an ongoing development effort, by .doc files into .docx files and then using the Linq to XML features in the .net 3.5 platform to modify key fields on the server before pushing the item down to a client machine.

## Conclusion

We've had a great experience using ASPOSE products, they function smoothly and well and the documentation is excellent and easy to follow and understand. The initial development effort and proof of concept were done in days where we had expected given our experiences with other vendors to be working for several weeks to produce a viable prototype.

Roster Forms

ID Case Probation, Supervision

Start 11-01-2008 Charge

Category All SubCategory All Number Go

	Description	Import
<a href="#">ACCSANC</a>	ACC Sanction Auth Form	
<a href="#">ADDVERIF</a>	Address Verification	
<a href="#">ADMINORDER</a>	Administrative Order	
<a href="#">AFF-BRO</a>	Affidavit Violation Of Probation - BRO	
<a href="#">AFFIDAVIT</a>	Affidavit Master	
<a href="#">AGREEMENT</a>	Probation/Parole Agreement	
<a href="#">APDRULES</a>	APPD Rules and Regulations	
<a href="#">ARRESTHOLD</a>	Arrest and Hold Order	
<a href="#">AUTHREMWAR</a>	Authorization to Remove Probation Warrant	
<a href="#">BAILREFUND</a>	Bail Refund	
<a href="#">COMPLAINT</a>	Complaint Report	
<a href="#">CONTACT</a>	Contact Notice	
<a href="#">CPREASSIGN</a>	VOP - Criminal Court Reassignment Letter	
<a href="#">DSTEST</a>	Stored Sig Test INV	
<a href="#">EMENROLL</a>	Electronic Monitoring Enrollment	
<a href="#">EMRULES</a>	Electronic Monitoring/House Arrest Rules & Regulations	
<a href="#">FIRESUR_1</a>	Firearm Surrender - English Page 1	
<a href="#">FIRESUR_2</a>	Firearm Surrender - English Page 2	
<a href="#">FIRESUR-5</a>	Firearm Surrender - Spanish	
<a href="#">FIRESURVOP</a>	Firearm Surrender VOP Notice	
<a href="#">FT-2</a>	Intercounty Transfer of Supervision Route Slip	
<a href="#">FT-3A</a>	APPD LetterHead	
<a href="#">FT-3B</a>	Forms Heading	
<a href="#">GAGNON1</a>	Gagnon 1 Hearing Summary	
<a href="#">GAGNON2</a>	Gagnon 2 Hearing Summary	
<a href="#">GFU Letter</a>	GFU Fraud Update Letter	
<a href="#">GFU-DEL</a>	GFU Delinquent Letter	

This form is used to grab the word document that will later be signed.

FIRST JUDICIAL DISTRICT OF  
**COURT OF COMMON PLEAS**  
TRIAL DIVISION CRIMINAL

Please enter the information below on the money order and lower left-hand corner of the envelope:

Docket Number (s)  
Officer:

**REMEMBER: A CONDITION OF YOUR PROBATION IS RESTITUTION; YOU HAVE A  
PROBATION CASE UNTIL ALL THE RESTITUTION IS PAID IN FULL.**

Sincerely,



The signature tool then imports the signature which is then published as a signed PDF document

Roster
Forms

**Masters, Kevin**  
Event 685

ID **123456789** Case **OVM**  
Start **11-01-2008** Charge **784.048-2**

**Probation, Supervision, AnnG**

☐ All ☒ Active

Name	Created	Author	Type	Source	File Size	
<a href="#">ADDVERIF</a>	12-17-2008 09:41A		application/pdf	Report	23904	
<a href="#">ADDVERIF</a>	11-14-2008 07:18P		application/pdf	Report	238951	
<a href="#">ADDVERIF</a>	11-14-2008 07:13P		application/pdf	Report	240047	
<a href="#">PSYCHFUR</a>	11-14-2008 02:24P		application/pdf	Report	22000	
<a href="#">BAILREFUND</a>	11-14-2008 02:02P		application/pdf	Report	33655	
<a href="#">BAILREFUND</a>	11-14-2008 02:01P		application/pdf	Report	15796	
<a href="#">BAILREFUND</a>	11-14-2008 02:00P		application/pdf	Report	28563	
<a href="#">PSYCHFUR</a>	11-14-2008 01:57P		application/pdf	Report	21987	
<a href="#">PSYCHFUR</a>	11-14-2008 01:56P		application/pdf	Report	21984	
<a href="#">BAILREFUND</a>	11-14-2008 01:55P		application/pdf	Report	19475	
<a href="#">FURADDEND</a>	11-14-2008 01:35P		application/pdf	Report	5582	
<a href="#">FURADDEND</a>	11-14-2008 01:35P		application/pdf	Report	5632	
<a href="#">ALLEGATION</a>	11-14-2008 01:31P		application/pdf	Report	10365	
<a href="#">ALLEGATION</a>	11-14-2008 01:30P		application/pdf	Report	10361	
<a href="#">ELECDETVIO</a>	11-14-2008 01:30P		application/pdf	Report	293855	
<a href="#">ELECDETVIO</a>	11-14-2008 01:28P		application/pdf	Report	295343	

These are then saved and made available as legally signed documents inside the Monitor.Net system.