New York State Division of State Police and Division of Criminal Justice Services

NEW YORK STATE EJUSTICENY INTEGRATED JUSTICE PORTAL (IJP)

SYNOPSIS

New York State's eJusticeNY Integrated Justice Portal (IJP) replaces a key mission critical, high performance mainframe based system, New York Statewide Police Information Network (NYSPIN), to provide criminal justice information to authorized criminal justice personnel within and beyond New York State. The Portal leverages NIEM to increase inter-operability for services in the shared infrastructure.

AGENCY OVERVIEW

eJusticeNY IJP is an expanding, web-based portal which provides over 50,000 in-state law enforcement and criminal justice users access to a broad range of information, including State criminal history records; the State's Wanted and Missing Persons files; out-of-state criminal history information; Watch List files maintained by the FBI, the Department of the Treasury and the Department of Commerce; the New York State Sex Offender Registry; the State's Missing and Exploited Children Clearinghouse; and a variety of other data sources.

IJP replaces the functions of the Division of State Police's New York Statewide Police Information Network (NYSPIN) by combing services provided by the New York State Police (NYSP), Division of Criminal Justice Services (DCJS), Department of Homeland Security and Emergency Services, Department of Corrections and Division of Parole into a one-stop information solution.

The solution is built using open technologies and based on industry standards and principles of Services Oriented Architecture with end-to-end NIEM conformance.

EXECUTIVE SUMMARY

CHALLENGE: Provide a single secure "one stop shopping" interface through which authorized users can access criminal justice information from Federal, State and local agency sources in a simple and timely way.

SOLUTION: Leverage open technologies based on industry standards and principles of Services Oriented Architecture with end-to-end National Information Exchange Model (NIEM) conformance to develop eJusticeNY IJP, a web based portal that provides authorized users, from all levels of government, access to comprehensive justice and homeland security information when and where needed.

RESULTS: The implementation of eJusticeNY and the migration to a web based portal has resulted in greater user accessibility, increased ease of use, and major cost savings.

CHALLENGE

The legacy NYSPIN is an aging mainframe based solution that relied on expensive vendor provided workstations with only single points of entry to operate 351 business services. A new solution was required to address the need for secure services to the law enforcement and justice users.

SOLUTION

The IJP was developed to replace NYSPIN to address system inefficiencies and challenges. The solution is 100% compliant with NYS architectural requirements for open hardware and software standards with minimal vendor dependency. It is based on principles of Services Oriented Architecture with end-to-end NIEM conformance.

The project leverages NIEM to develop a 'canonical' enterprise view of the information architecture based data components that were reused among all common and shared services. IJP replaces 351 legacy business transactions with 125 NIEM IEPD based business services and is deployed in a shared infrastructure (like a private cloud),

In the initial implementation, over 1,100 user connections will be transitioned from legacy NYSPIN client/server workstations to the Portal enabling users to access criminal justice data through the Internet or NY Statewide Network instead of relying upon dedicated standalone workstations.

Besides supporting user access, IJP provides services to over 110 computer systems (metros) managed by local, city and county agencies to provide criminal justice information to patrol cars, computer aided dispatch centers as well as records and case management systems. This functionality is delivered by a web-services based services specification that leverages the NIEM IEPDs enabling agencies to integrate IJP functionality in their existing mission applications.

> "The replacement of legacy applications and protocols with browser based NIEM technologies has improved data quality and accessibility to New York State and National Criminal Justice information."
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> *Douglas Hopkins, Manager of IT Services, New York State Police*

RESULTS

IJP has resulted in several improvements.

- **Cost Reductions**: IJP has allowed migration away from expensive vendor provided workstations to new browser based access that scales to enable a larger number of users to access the services from any internet accessible web device. Costs will no longer be incurred for dedicated hardware and network connections and cost savings will be realized due to reduced reliance on mainframe technology to support NYSPIN services.
- **Increased Efficiency and Accuracy**: In the past, users were required to manually re-key response information into a separate update transaction. This resulted in additional "time to entry" and increased the likelihood of data transposition errors. Today, IJP services based in NIEM XML have been developed to allow for an inquiry result to be reused by populating a subsequent database update transaction with a single "click" of a mouse, thus increasing data entry efficiency and accuracy.
- **Reduce Misinterpretation of Inquiries**: Through the use of NIEM XML, the IJP provides the end user a single aggregated response to inquiries. The use of XML allows for easy detection of an inquiry "hit", producing a greater understanding of the response and reducing the likelihood of misinterpretation.