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Final Copy of Case Study

LOCATION:
Harrisburg, PA, US

ORGANIZATION:
Justice Network (JNET)

YEAR:
2011

ORGANIZATION URL:
<http://www.pajnet.state.pa.us>

STATUS:
Laureate

PROJECT NAME:
JNET Federated Address Search

CATEGORY:
Safety & Security

PROJECT OVERVIEW

The Pennsylvania Justice Network (JNET) is an integrated portal that provides authorized users with access to public safety and criminal justice information from numerous federal, state and local sources. Over 39,000 local, county, state and federal justice professionals use JNET to conduct secure investigations in a web-based environment. Over the years, JNET has undergone numerous technological improvements based on input from its user community. In December 2010, JNET launched the first statewide JNET Federated Address Search. Instead of conducting separate inquiries of up to ten databases maintained by various agencies, users can now get the same results through a single, unified search application. By reducing redundant search efforts, this new approach saves time, reduces errors and alleviates frustration caused by making multiple inquiries. This project utilizes a number of existing interfaces, applications and Web services previously built by JNET to provide tangible savings, including: • County/State Prison and Probation Electronic Reporting Data • Department of Corrections Inmate Locator • Commonwealth Photo Imaging Network • Pennsylvania Department of Transportation Driver Information • Department of Public Welfare Recipient Address • Domestic Relations Warrant Search • Association of Pennsylvania Courts Secure Dockets • Pennsylvania State Police Law Enforcement Assistance Network (CLEAN) • National Law Enforcements Telecommunications System (NLETS) • Juvenile Tracking Systems The JNET Federated Address Search also leverages the JNET Enterprise Service Bus. The ESB provides a platform for information sharing, application integration, and business process execution while continuing to ensure that its business partners retain ownership and autonomy over their information and business process components. It allows JNET to integrate information on a granular level from virtually any available data resource. For the JNET Federated Address Search, the ESB searches addresses housed in different Commonwealth systems via a single inquiry. The ESB then gathers all related responses from each source and presents them in a manner consistent with the role of the inquirer. In addition, the address search application incorporates the use of a "secondary search" of information so

that the response from one system may be used to formulate additional transactions to other subsequent systems. For example, the JNET Federated Address Search will also report if a person is incarcerated or under supervision by a jail, prison or probation/parole department. The JNET Federated Address Search application is an excellent example of what can be accomplished when agencies share information. Throughout this project, JNET has avoided the "turf issues" that have traditionally plagued other integration efforts by leveraging existing agency systems, recognizing and ensuring agency independence, and allowing agencies to maintain control of their information while providing additional benefits to the JNET community.

SOCIETAL BENEFITS

By providing criminal justice practitioners with an improved method for identifying addresses, wanted persons and absconders can be located and apprehended more quickly. The public is safer when these individuals are off the street.

PROJECT BENEFIT EXAMPLE

While there are tremendous savings projected for this application, the primary goal is to provide JNET users with effective tools to help them carry out their duties. Within days of deploying the JNET Federated Address Search, JNET received the following feedback from criminal justice practitioners: "Just letting you know that on one of my first address search inquiries, I located a new address in Philadelphia from the courts data base that we did not have before. Our department had an active warrant for this individual, and the info was passed on to the detectives". "It will be my recommendation that before any arrest warrant is served or indictments prepared for roundups that all of the intended targets be run through the Address Search so that any additional places for the targets are uncovered BEFORE the arrest teams leave. The system has proven invaluable in locating targets." "The system is AWESOME!!! It works perfectly and with very little effort." "I used the application and located numerous addresses for wanted persons that were more recent than the addresses on the warrants. Utilizing this application saved me a considerable amount of time. The Address Search made the daunting task of due diligence much easier and more complete."

IS THIS PROJECT AN INNOVATION, BEST PRACTICE? Yes

ADDITIONAL PROJECT INFORMATION

JNET users have realized a significant savings in time and resources as a result of this project. Additionally, users can be confident that an inquiry via a "secondary search" will maximize their query to the fullest extent possible. The new service will produce an estimated \$1,892,000 (in salary savings) annually. This savings may be greater once criminal justice practitioners' become more familiar with the application. The formula used for the salary savings is as follows: JNET Federated Address Search Estimated Annual Savings* Number Federated Address Search inquiries per month 30,000 Number of months in a year x 12 Number of Federated Address Search inquires per year 360,000 Number of additional inquiries avoided by using Federated Address Search x 9 Total number of transactions avoided by only having to enter data once 3,240,000 Estimated time (in minutes) spent on entry, response and collation of responses x 1.25 Total number minutes saved 4,050,000 Number of minutes in an hour ÷ 60 Total number of person hours saved by only having to enter data once 67,500 Number of hours worked in a year² ÷ 1,920 Total number of person years saved by only having to enter data once 35.2 Estimated salary in dollars for a law enforcement officer³. x \$53,760 Estimated amount saved in salaries annually



\$1,892,352 1 This is approximately the number of times other JNET federated searches (Warrant and Photo) are used per month. 2 Hours worked per year minus vacation and holiday time. 3 \$28 per hour multiplied by 1,920 hours. Hourly wage figure based on JNET research for other projects.

