Raytheon

The Crime Analysis Centers' Data Sharing Network Initiative Helps the State of New York Reduce Crime

Customer

The New York State Division of Criminal Justice Services (DCJS) has a multi-function charter that includes the enhancement of public safety through the collection and analysis of statewide crime data. With 11 counties that account for nearly 52% of the population outside NYC and over 84 separate and local law enforcement agencies operating in New York,

The Crime Analysis Centers' Data Sharing Network Initiative helps the state of New York reduce crime, especially violent and firearm crime, through intelligence-driven law enforcement strategies using Crime Analysis Centers (CACs) as a key component.

Raytheon supports CACs with a sophisticated, single-screen Google-like tool capable of conducting in-depth searches, along with the analysis and sharing of all information related to local crime. Thus, investigators rapidly build a comprehensive picture of a new and/or ongoing case, to gather and make sense of evidence. They also get out "in front" of incidents before they happen, instead of after the damage is done.

Awards

Since its deployment, DCJS has consistently been recognized by the law enforcement and national security community for its outstanding IT achievements and information sharing efforts.

Digital Government Achievement Award winner in the Government to Government category for "NYS Digital Signage Network Broadcasts Critical Law Enforcement Information". — **2013**

2012 — 1st Place" GIS/SIG Annual Spatial Digital Mapping Conference map contest awarded to Wendell Associates for the Erie Crime Analysis Center web map.

National Consortium for Justice Information and Statistics Winter Conference Presentation: "Data Sharing and the New York Crime Analysis Centers." — **2011**

2010 — "Emergency Management Digital Distinction Award" for Best Process Improvement, presented by Emergency Management Magazine.

"Special Achievement in GIS Award" for Crime Mapping presented by ESRI.

"Best of New York" award for Best IT Collaboration among Organizations, presented by the Center for Digital Government. — **2009**

Largest Comprehensive Public Safety Information Sharing Network in the Nation Provides Single-Query Access to All Sources.

Challenge

The N.Y. Crime Analysis Centers (CAC) are a state and local government collaborative project. The Centers are multi jurisdictional units and centrally located across the state of New York. The challenge was to deploy a robust, scalable, and affordable platform to provide each CAC with single-query access to their extensive volume of crime and intelligence data and the ability to query and share statewide. Each CAC represents unique architecture, multiple law enforcement agencies, multiple users with multiple sources, and varying law enforcement and related data. Each CAC varies greatly in configuration, location and data source structure. With new sources of data constantly being identified and updated in daily operations and investigations, CACs have to support local control of the data dissemination without the need to persistently store data in a warehoused environment. DCJS required a cost-effective system that could meet the needs of the CACs while delivering high performance and scalable results. top deployments, reduce administration and maintenance, while strengthening network security and reducing costs.
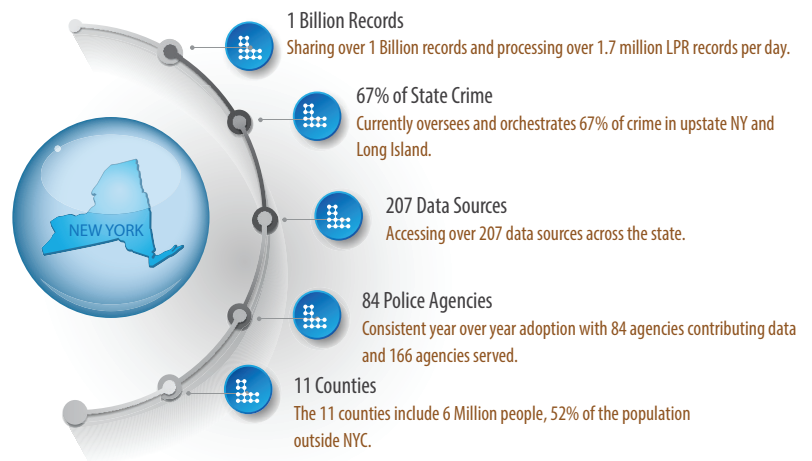
Solution

The Data Clarity Platform was chosen for deployment across the state to meet its criminal justice needs and enhance public safety. DCJS required a platform that could meet the criminal investigation demands of a diverse range of state and local LEA organizations, handle a wide variety and volume of data sources and formats, and manage the security and authentication of large numbers of users. Proven, commercial off-the-shelf (COTS) software was selected to ensure consistency, reliability and maintainability while ensuring a cost-realistic deployment model. The system had to work for both small and large CAC configurations and n to be operated and managed by its users and IT divisions.

Results

In 2008, DCJS successfully began the deployment of a program designed to support the information sharing and analytical needs of different county-level Crime Analysis Centers (CACs). Beginning with the four highest-crime counties, Data Clarity was configured to meet the individual needs of each CAC. Each center identifies specific information sources to be shared among the regions, including access to the incident and arrest databases for all agencies. As a result,

they have ushered in a new era of effectiveness for the state, establishing a strategic, intelligence-led approach to crime fighting through data-driven, evidence-based actions. To address proactive prevention, the centers' technologies capture the crime environment within a particular county, as determined by the identification, analysis and management of persistent and developing threats and risks. At those headquarters, hot spot maps can literally change colors by the hour to reflect which local neighborhoods experience specific types of crimes at a specific time. This allows law-enforcement supervisors to make informed decisions about tactical deployment. This information sharing project has expanded its footprint across New York and is still incorporating as many organizations as possible while also expanding current deployments to broaden the scope of the data available – making it one of the first states to fully deploy a federated data sharing network that is scalable, adaptable, and cost effective. Currently, the criminal reporting data itself captures upwards of 67% of all of the crime occurring throughout

The Data Clarity® Platform supports DCJS

1 Billion Records
Sharing over 1 Billion records and processing over 1.7 million LPR records per day.

67% of State Crime
Currently oversees and orchestrates 67% of crime in upstate NY and Long Island.

207 Data Sources
Accessing over 207 data sources across the state.

84 Police Agencies
Consistent year over year adoption with 84 agencies contributing data and 166 agencies served.

11 Counties
The 11 counties include 6 Million people, 52% of the population outside NYC.

For further information contact:

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Customer Success Is Our Mission