

# Drive time to target using a data fusion solution

*Accelerate investigations with the IBM Law Enforcement Investigative Platform (LEIP)*

---

## Highlights

- Data growth, intensifying threats and crime pressures require new agility in closing investigations
  - LEIP is designed by detectives and crime analysts for usability and speed
  - LEIP consolidates analysis-ready data into one platform to speed insight
  - The cloud-based subscription model helps reduce infrastructure maintenance while supporting agile investigations for virtually any size agency
- 

## The challenges of investigating crime in a digital world

Intensifying pressures, siloed traditional systems and the compounding growth of big data are driving the public safety community to transform investigation management. Traditional systems aren't built to manage the amount of information collected in this digital age, otherwise known as big data. An outdated infrastructure can reduce the ability of a police department to keep pace with an investigation, make navigation across data sources difficult and provide a frustrating detective experience.

Today's law enforcement agencies demand greater flexibility and agility in accessing data and analytic tools that traditional law enforcement investigative systems can't deliver. Traditional approaches, requiring detectives to access multiple source information systems and paper



---

*Investigative teams need quick, cloud-based access to relevant data—the IBM Law Enforcement Investigative Platform (LEIP) delivers.*

**State and Local Government**  
Solution Brief

files, slow down investigations and don't have the capability to analyze structured and unstructured data patterns or identify correlations in the data. These approaches limit the ability of your department to get a full view of related critical information and accelerate closing cases. A system that can provide critical, actionable insights from analysis of multiple, large data sources to help answer the right questions is now a requirement for law enforcement in the 21st century.

**Adapting to radical change**

LEIP is a cognitive system that can radically change how your agency uses data to fight crime. Its cloud-based data connection fabric helps enable rapid access to whatever data sources the agency requires. The platform provides

access to several commercial and open data sources and leverages a cloud version of IBM i2® Analyst's Notebook. This system can provide a quick, flexible way to access data relevant to an investigation and reduce the need to deploy and support a new system for every new data source. With the capability to rapidly analyze structured and unstructured data, the solution produces one consolidated view of results, which can speed an officer's time to insight.

**The value of a cognitive system**

The data needed in law enforcement today continues to become more complex. A cognitive system can enable a completely different approach for to how you and your team analyze and extract insights from data.

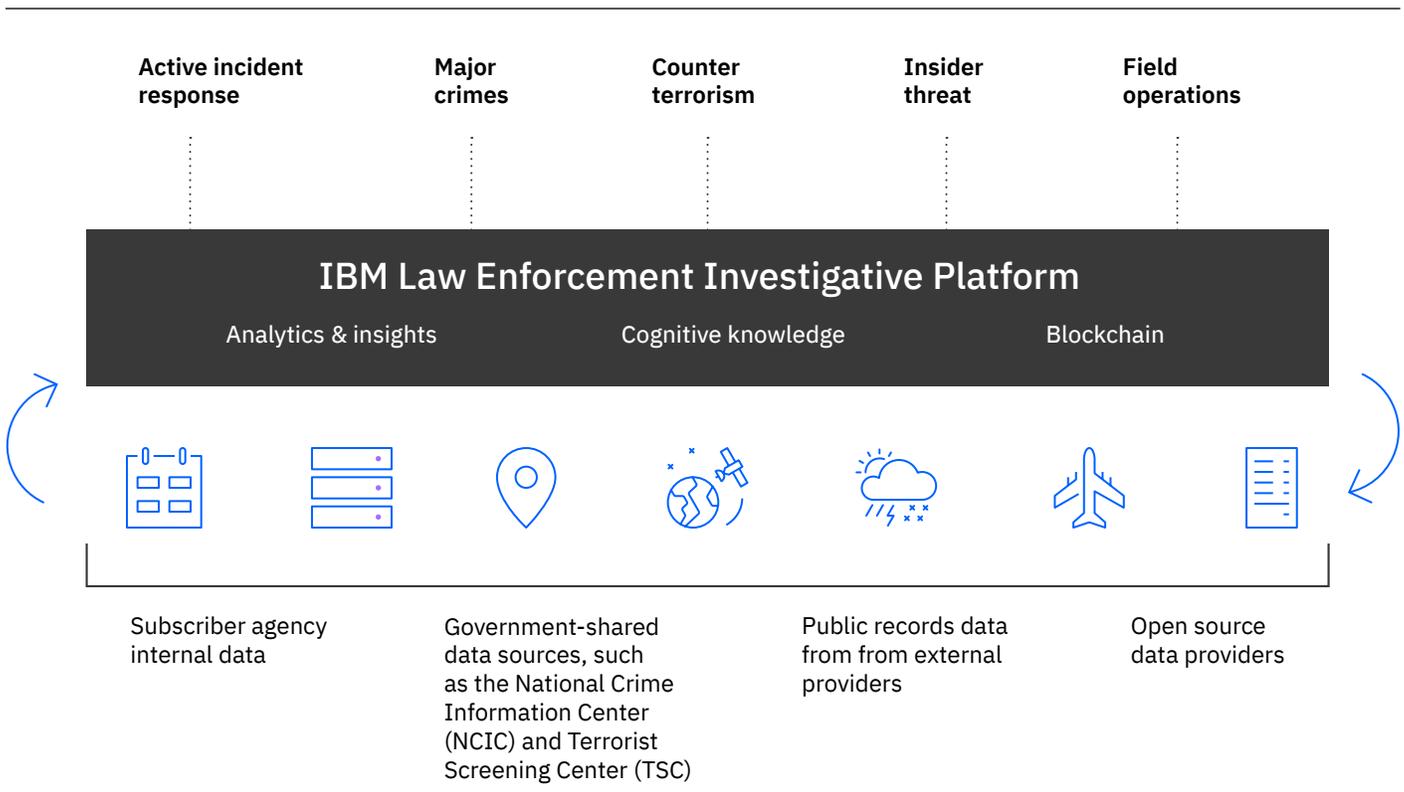


Figure 1. The platform combines information from data sources and analyzes it in near real-time.

## State and Local Government Solution Brief

The LEIP has the following qualities:

1. Founded on years of deployment experience
2. Cloud-enabled and portable
3. Based on a data connection fabric
4. Provides out-of-the-box access to high-value data sources, including open source intelligence
5. Provides a powerful new way to incorporate critical data through intelligent tactical import
6. Capable of near real-time entity resolution
7. Includes robust visualization and analytics
8. Available as a subscription service or an asset
9. Deployable in hours

By incorporating LEIP into your agency's infrastructure, you can accelerate the time to insights required to solve cases. One major metropolitan police department used this platform to solve a cold case in six hours.

### How does it work?

LEIP combines and analyzes information from various data sources. Officers are able to capture data while in the field, enabling the analysts on your team to see it in near real-time. The insights provided through this platform can be viewed by officers at the scene on a laptop or mobile device.

### IBM Law Enforcement Investigative Platform features

The platform provides the following unique set of features:

#### Link analysis and visualization

Visualize connections between people and places in near real-time and render court-ready visual analysis for teams.

#### Data connection fabric

Perform a search and receive relevant data from multiple public record sources that can automatically generate information in an analysis-ready format.

#### Open source data connection and analysis

Identify and deliver relevant intelligence from a wide range of digital media sources.

#### Intelligent tactical import

Recognize and import call records, financial transactions, GPS tracker information and other data, and streamline the process of adding and importing post-subpoena data to the system. After collecting data, use artificial intelligence (AI) and machine learning (ML) to help simplify and semi-automate the importing process.

#### Geospatial capability

Integrate data from OpenStreetMap, Esri and Google Maps and help your team plot relevant addresses and locations on a single, user-centric map.

#### Mobile application

Use the mobile phone application to capture field interviews remotely and allow officers to easily enter interview data and share it with your analysts and detectives in near real-time. Perform quick searches on available data in the field without having to go back to the precinct.

#### Subscription-based cloud offering

Helps make the deployment and support of modern technology easier—regardless of the size of your department—with a subscription-based cloud offering. The platform is Criminal Justice Information Services (CJIS) compliant and Federal Risk and Authorization Management Program (FedRAMP) certified. Only a computer and internet connection are needed to run searches within hours of signing up. You also have the option for on-premises installation.

#### Security-rich data sharing

Helps improve security of data sharing between jurisdictions based on policy, law and sensitivity.

### Key benefits

LEIP can improve your agency's time to insights, consolidate analysis-ready data in a single and always accessible cloud-platform, and deliver a great user experience.

#### Increases speed to insights without impacting security

With CJIS compliance, FedRAMP certification and IBM Security expertise, the LEIP helps enable appropriate data sharing between jurisdictions while supporting relevant security protocols and processes. This capability can improve investigative efficiency across agencies and police departments.

## A cloud-based platform that can deliver the following capabilities:



Helps enable an ecosystem of data partnerships and internodal data-sharing opportunities



Assimilates key criminal, social organizational and transactional data sets rapidly as required



Allows agencies to apply advanced analytics typically reserved for top-tier organizations



Shifts the ecosystem cost model to scale with the complexity of unpredictable incidents

---

Figure 2: The capabilities of LEIP

In addition, the platform can provide your team access to commercial and government data sources, automate base investigative analysis and present the data in a clear, visual format by individual sources or in aggregate. These abilities help you quickly gather a comprehensive target file and speed time to actionable insights.

The following public record data sources are available to you through the platform:

- **Whooster.** A tool used by state, federal and international law enforcement and government agencies to provide access to near real-time public and private records
- **TransUnion.** A public and proprietary records database that consolidates information about people, assets and businesses across over 10,000 data sources
- **Thomson Reuters CLEAR.** A credible, comprehensive and current source for locating people, businesses, assets and affiliations through public and proprietary databases
- **LexisNexis® Accurint®.** Investigative technology that can expedite the identification of people and their assets, addresses, relatives and business associates by providing instant access to a comprehensive database of public records

### **Provides an analysis-ready, cloud-enabled common view**

Help automate the process of accessing large amounts of data from multiple sources, including open source and warrant record access, and combine those results into one consolidated view. Built on open standards, the solution allows your team to maintain ownership of your data while being preconnected to multiple, relevant outside data sources.

LEIP can then analyze the evidence and produce actionable intelligence in near real-time. This cloud-enabled platform can support multiple deployment options—public, private or hybrid—so you have the ability to select a technology infrastructure that meets your department’s needs.

### **Supports a great user experience**

Through direct access to analytic tools and mobile applications, the platform enables an officer to input and access data when convenient and in near real-time. The optional mobile application provides a more efficient way to access and add information to the database in the field.

Law enforcement officers are the best collectors of human intelligence in the nation. And the LEIP provides officers an efficient way to get data from the field to the investigative analysts. This solution saves the officer reporting time in the field, so the officer

can maintain better situational awareness. Ultimately, LEIP reduces the reliance of an agency on—and being inundated with—paper-based reporting and cuts a 7-to-14-day reporting window to minutes. This speed is critical, resulting in relevant investigative data getting to analysts and detectives faster.

### **A faster way to do police work**

Siloed traditional systems, intensifying pressures on resources and the exponential growth of data has created a need across the law enforcement community to transform the investigation management process. The LEIP can shorten time to insights, streamline the use of multiple data sources and provide a great experience for your team. Allowing for near real-time access to AI-powered, actionable insights can help your team focus on its core mission—public safety.

Designed by former crime analysts and detectives, the platform is designed to meet the existing and emerging needs of the law enforcement community. This solution helps provide the flexibility and agility needed to investigate crimes in the 21st century. The platform doesn't change the way teams handle police work. Instead, LEIP empowers teams to spend less time on administrative tasks, and more time enforcing the law and solving crimes.

### **Why IBM?**

IBM has spent over 100 years serving law enforcement and is applying advanced technology to help transform the way law enforcement accomplishes its mission. LEIP can improve time to target by quickly creating actionable intelligence and rendering court-ready visual analysis. The platform makes cutting-edge investigative technology affordable for virtually any size department with a subscription-based cloud offering.

To learn more about IBM Law Enforcement Investigative Platform and public safety, contact your IBM representative or IBM Business Partner, or visit: [www.ibm.com/industries/government/public-safety/managing-digital-evidence](http://www.ibm.com/industries/government/public-safety/managing-digital-evidence).



© Copyright IBM Corporation 2019

IBM Corporation  
New Orchard Road  
Armonk, NY 10504

Produced in the United States of America  
December 2019

IBM, the IBM logo, [ibm.com](http://ibm.com), and IBM i2, are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

The client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

The client is responsible for ensuring compliance with laws and regulations applicable to it. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the client is in compliance with any law or regulation.

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.



Please Recycle