

# How to Advance Public Safety with Data Management

Fostering Public Trust and Community-Oriented Policing in State and Local Law Enforcement Agencies

Law enforcement agencies face a multitude of challenges in their efforts to protect the public. These challenges are diverse and range from traditional crimes, such as theft and assault, to more complex and nuanced threats with the evolution of the internet and social media. The evolving landscape of technology and the digital age has added a new layer of complexity to law enforcement operations, requiring agencies to adapt quickly to emerging trends in data management and analysis.

With federal, state and local agencies frequently operating independently, the need for efficient and effective communication and coordination has never been more important. The ability to collect, process and manage massive amounts of data is essential for law enforcement agencies to identify and respond to emerging threats, and to carry out their mandate of keeping the public safe.



#### Strengthening Florida's Domestic Security

To help promote their state's public safety, The Florida Department of Law Enforcement collaborates with local, state and federal criminal justice agencies to protect Florida's citizens. To participate in the FBI's national crime reporting statistics and analytics program, they used Informatica Master Data Management (MDM) in order to receive, cleanse, match and process data in the format required by the FBI's National Incident-Based Reporting System (NIBRS).

 The Florida Department of Law Enforcement

## Brochure

Considering this, efficient cloud data management, AI and analytics have become increasingly important tools for law enforcement agencies in their efforts to protect public safety, improve operational performance and cross-agency collaboration, build public trust and drive communityoriented policing and safety.

Leveraging modern data management technologies enable law enforcement agencies to:

# Gain Quick Insights with 360-Degree Views of Data – People, Places, and Objects

By sharing and correlating new and historical data across applications and departments, law enforcement agencies can perform predictive policing — identifying high-risk areas and predicting where crime is likely to occur in the future. This enables agencies to allocate resources more efficiently, respond quickly to emerging threats and prevent crime before it occurs.

#### Increase Crime Prevention with Smart Device Data

To gain real-time situational awareness, law enforcement agencies can integrate hundreds of smart city applications and infrastructure data. They can do this by modernizing legacy systems to unlock the data and use AI and analytics to monitor real-time data, including device data. This helps to gain a better understanding of potential threats and respond more quickly to emergencies.



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#### Improve Agency Operational Performance

Leveraging advanced data analytics and AI, law enforcement agencies can improve investigations, quickly sifting through large volumes of data to identify patterns, detecting anomalies and uncovering hidden connections between suspects, crimes and other relevant data points. This enables investigators to solve crimes and advance public safety initiatives more effectively.

#### Enhance Collaboration and Community-Oriented Policing

By using data management and analytics tools to gather and analyze data across safety and public assistance programs, law enforcement agencies can collaborate more effectively and identify and address issues that are important to the communities they serve while maintaining privacy policies and laws. This can also help to build trust and strengthen relationships between agencies and their citizens.

# Critical Data Challenges to Advancing Public Safety

There are several key data challenges that law enforcement agencies face when it comes to advancing public safety, building public trust and developing community-oriented policing. These challenges include:



**Data quality:** Law enforcement agencies often collect large amounts of data from multiple sources, which can vary in quality and accuracy. Poor data quality can undermine efforts to identify patterns and trends, which can impact public safety and community-oriented policing.



**Data sharing:** Law enforcement agencies may have difficulty sharing data across different systems and agencies due to technical and legal barriers. This can make it difficult to develop a comprehensive view of crime patterns and trends across different jurisdictions, which can limit the effectiveness of community-oriented policing efforts.



**Data privacy and security:** Law enforcement agencies must balance the need to collect and share data with protecting the privacy and security of individuals. This can be challenging when dealing with sensitive data such as criminal records, which must be protected from unauthorized access and use.

# Supporting Public Safety with Data-Driven Decision-Making

Top metropolitan police department partners with Informatica to increase public safety efforts with data-driven decision-making. By converting crucial data assets for consumption into analytical solutions and increasing visibility through a centralized data repository, this agency is making trusted data readily available where it's needed most.



**Data analysis:** Law enforcement agencies may lack the resources and expertise needed to analyze large amounts of data effectively. This can limit their ability to identify patterns and trends and develop effective strategies for advancing public safety and community-oriented policing.



**Data access:** Law enforcement agencies may have difficulty accessing data from other sources such as social media platforms or private sector partners. This can limit their ability to identify emerging threats and respond effectively to evolving public safety challenges.

Addressing these data challenges is critical for law enforcement agencies to advance public safety, build public trust and develop community-oriented policing.

# Informatica Offers Essential Data Capabilities

The success of any state or local law enforcement agency depends on its ability to manage and leverage data in a timely manner. Whether tracking criminal activity, identifying and responding to emergency situations or gaining insight into demographic data to provide effective community policing, the ability for agencies to leverage data as an asset is critical.

To deliver timely, efficient public services and build trust with protected data, law enforcement agencies can leverage Informatica's cloud data management and data governance capabilities:

#### **Real-Time Information**

Access to real-time information is crucial for law enforcement agencies to make informed decisions. By leveraging advanced cloud data management and governance capabilities, agencies can quickly and easily integrate data for a 360-degree view across different departments and on-premises and multi-cloud environments. They can automate the process for managing the deluge of incoming data and connect it to statistical and crime data sources for better investigative insights. By improving data quality, sharing, privacy and security, analysis, and access, law enforcement agencies can better understand the needs of their communities and develop targeted interventions to address public safety challenges.



#### Automatic Discovery and Data Preparation

Agencies must be able to validate and enrich law enforcement data to gain essential and trusted contextual insights. Being able to standardize and catalog all data — including structured data such as information contained in spreadsheets and unstructured data such as written documents — with context and glossaries is critical. By using artificial intelligence and machine learning capabilities with an enterprise data catalog, law enforcement agencies can automate the discovery and understanding of data across cloud and on-premises systems, helping them streamline search and retrieval efforts.



#### Ability to Ingest and Cleanse Data at Scale

State and local law enforcement agencies can rapidly ingest petabytes of data and integrate data to and from files, databases or streaming sources. Agencies should be able to easily support new, complex integration patterns, and achieve high performance, reliability and near-universal connectivity for mission-critical processes.



#### Single Source of Truth by Mastering and Relating Data

Organizations need to combine transaction, interaction and other citizen data types and manage billions of records across all data sources across on-premises and multi-cloud environments. For unstructured data, they must use natural language processing to infer the data of citizens, objects, locations and more.





#### **Data Privacy and Protection**

Agencies need to provide the appropriate level of data privacy and protection to meet compliance mandates and engender citizen trust. To ensure compliance with regulations and detect and protect sensitive personal identification information (PII), law enforcement agencies need data security solutions that de-identify, de-sensitize and anonymize sensitive data from inadvertent release and unauthorized access for application users, mission intelligence, application testing and outsourcing.



#### **Cloud-Based Modern Data Architecture**

The benefits of moving on-premises data to the cloud and modernizing legacy applications are many. Cloud-based solutions allow agencies to meet increased demand during emergency situations, be more cost efficient, provide quick accessibility to data from anywhere, enhance security and help agencies collaborate effectively. To succeed, agencies need an intelligent, automated approach to cloud and application modernization that accelerates time to value and increases return on investment. They need a solution that supports rapid development and operationalization of end-to-end data pipelines for visualization, artificial intelligence and analytics. It should be able to connect thousands of legacy and softwareas-a-service (SaaS) applications faster with simple, intelligent tools, and it should work with a variety of multi-cloud platforms and technologies.



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# Informatica® Intelligent Data Management Cloud (IDMC) for State and Local Government

Informatica Intelligent Data Management Cloud<sup>™</sup> for State and Local Government is helping agencies modernize with a cloud native, Al-powered end-to-end data management platform. With its easy to implement out-of-the-box data management accelerators, you can quickly speed time to value. The solution is independent and technology-neutral, allowing you to share, deliver and democratize data across your organization.

This comprehensive solution helps you reimagine and define how you manage data and use it to support innovation, allowing you to:

- Create and share a unified view of data and insight across critical business domains with data integration and multi-domain MDM and 360 SaaS applications, including citizen, constituent, agencies, crime, fleet, social programs, health systems and more
- Integrate external data, third-party data and applications, data and applications across agencies and more to automate and streamline processes at scale with data and application integration and hyperautomation capabilities
- Prioritize internal and external data sharing across departments and agencies with a centralized, self-service data marketplace
- Secure citizen data and facilitate compliance with state and other regulations with data privacy
- Ensure a consistent view of trusted data across government entities to reflect complete citizen experiences and services with data cataloging and governance

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- Cleanse, standardize, enrich and validate data with out-of-the-box data quality rules
- Out-of-the-box data management accelerators (data quality, data management for crisis response, CLAIRE<sup>®</sup>-powered automation and more)
- Modernize agencies with the Informatica Intelligent Data Management Cloud for State and Local Government



## Learn More

To learn more about how Informatica can support law enforcement agencies, visit www.informatica.com/state-local-govt.

Informatica (NYSE: INFA) brings data to life by empowering businesses to realize the transformative power of their most critical assets. When properly unlocked, data becomes a living and trusted resource that is democratized across your organization, turning chaos into clarity. Through the Informatica Intelligent Data Management Cloud<sup>™</sup>, companies are breathing life into their data to drive bigger ideas, create improved processes, and reduce costs. Powered by CLAIRE<sup>®</sup>, our AI engine, it's the only cloud dedicated to managing data of any type, pattern, complexity, or workload across any location — all on a single platform. Informatica. Where data comes to life.

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