# Law Enforcement Analytics

Advanced analytical capabilities ensure secure, real-time, intelligence-led policing

## Benefits

Access real-time data from diverse sources  
Better deploy forces and manage resources  
Track crime reduction goals and performance measures  
Improve the safety of officers and citizens  
Increase accountability and transparency

## Law enforcement challenges

Collecting, interpreting, and delivering relevant and timely information to those who make real-time decisions is critical. With limited budgets, increased service demands, and multiple applications, command leadership must consider new approaches to make the best use of all available data.

## Law Enforcement Analytics

The TIBCO Law Enforcement Analytics software solution delivers robust capabilities that seamlessly integrate data from all criminal justice systems, such as CAD, RMS, JMS, time-keeping, and incident. The solution addresses analytics challenges by accessing data where it exists and transforming it into useful information. Public safety agencies can leverage key performance indicators (KPIs), management dashboards, interactive mapping capabilities, alerts, predictive analytics, data mining, and enterprise search capabilities to understand data and deliver consistent, actionable information across the enterprise.

Every stakeholder in the agency benefits with TIBCO Law Enforcement software. Commanders have access to critical statistics, trends, maps, and alerts. Analysts can source reports, charts, and maps based on specific needs. Investigators get valuable insights into repeat offenders and related incidents that can help close cases more quickly. Patrol officers can view detailed, neighborhood-oriented metrics that illustrate possible crime patterns.
Law Enforcement Analytics dashboard and strategic analytical reports

Law Enforcement Analytics features a KPI management dashboard as well as web-based analytics, all focused on incident reporting and force deployments. Law Enforcement Analytics software harvests information from resources across all justice agencies. From an executive dashboard, authorized users can monitor crime and other metrics in real time. They can analyze activity by area or incident type. Agencies can analyze trends, patterns, and find hot spots in interactive maps.

TIBCO’s Unified Law Enforcement Platform delivers robust capabilities that seamlessly integrate data from all criminal justice systems and law enforcement IoT. The solution addresses analytics and federated data challenges by accessing data where it exists and transforming it into tactical intelligence without replacing any current IT investments. Leverage KPIs, operational-strategic dashboards, advanced geospatial analytics, predictive-prescriptive alerts, federated search, real-time location, license plate recognition, and video to understand data and deliver consistent, actionable intelligence across the enterprise.

Data mining and predictive analytics

Law Enforcement Analytics software comes fully integrated with TIBCO WebFOCUS RStat, a powerful predictive modeling and data-mining tool. In addition to past incident and arrest data, the predictive model can access other data feeds, such as weather reports, regional events, and other measurable attributes to correlate historical events with RMS/CAD events. By leveraging data-mining capabilities and applying predictive analytics, an agency can develop models that show the probability of a particular incident occurring at a certain place,
on a given date and time. Users can analyze criminal offender databases and identify a correlation between similar types of crimes, empowering agencies to take action to prevent crime:

- Generate sophisticated graphics for real-time analysis and visualization
- Identify prolific criminals, incidents, and accidents most likely to occur in specific areas
- Predict the likelihood of a particular incident occurring in conjunction with factors such as events or weather, geography, dates, and shifts
- Analyze criminal offender databases and identify the correlation between similar types of crime
- Accelerate the criminal investigation process by quickly sifting through large datasets
- Identify suspicious activity and patterns more effectively

**Enterprise search**

Enterprise search provides crime analysts and investigators with the ability to search across a wide array of agency data resources, including structured and unstructured data. Investigators can quickly locate hard-to-find data across diverse systems and spot obscure relationships.

**TIBCO experience in law enforcement**

Through its acquisition of ibi, TIBCO has a long history of supporting public sector organizations, especially in law enforcement and public safety. From small police departments with 50 sworn officers to the largest with 35,000 officers, we understand the challenges you face every day to keep your communities safe. Our clients have been at the forefront deploying innovative solutions that provide a force multiplier in improving staff productivity and force deployment.

**Officer Analytics Accelerator**

Our Law Enforcement Analytics Accelerator can jump-start analytical insights by helping agencies to identify key trends in various risk factors. Its pre-built content includes a data description, sample data, citizen interaction metrics, and KPIs that can identify patterns. It also includes predefined reports, graphs, and a report generator to enable non-technical users to create their own dashboards and tabular reports.