IBM

DB2® Information Management Software

IBM Crime Information Warehouse—Unlocking data to fight crime

Highlights

- **Supports computer statistics (COMPSTAT)–based crime-fighting initiatives**

- **Enables the integration of existing crime incident data**

- **Delivers a foundation for more proactive policing**

Crime analysis is a data-intensive business. To improve crime prevention, police agencies need to understand the data they collect. But the volume and complexity of information from multiple systems means few departments coordinate data effectively. The IBM® Crime Information Warehouse solution helps police organizations integrate data to better understand criminal patterns.
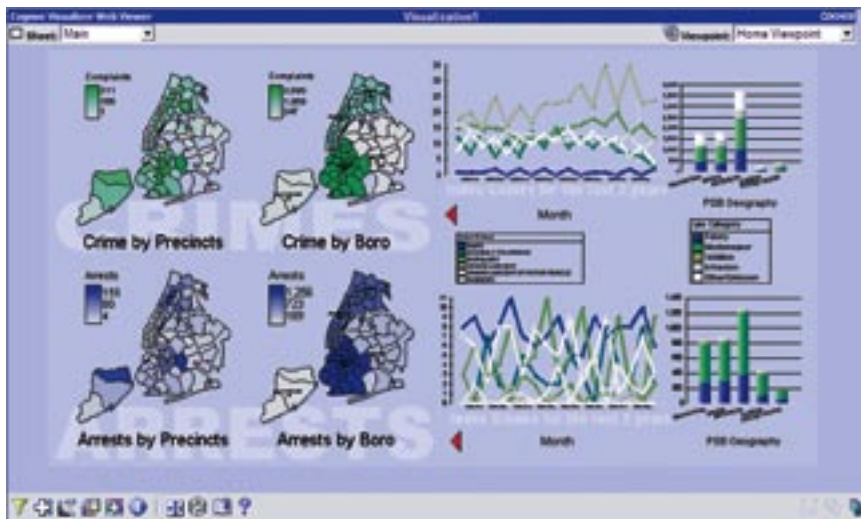
Gain insight into crime fighting

As a result of evolving COMPSTAT initiatives, Crime Information Warehouse enables near-real-time reporting, analyzing and understanding of crime statistics. Instant access to timely and accurate information allows departments to redeploy forces in response to crime trends as they occur rather than after the fact. Crime Information Warehouse offers several key benefits to police organizations:

- *Better decisions. Instant information access enables higher-quality, goal-oriented responses to crime trends and deployment requirements.*
- *Fast results. Solutions based on existing systems enable rapid deployment, which delivers business value more quickly without a long implementation phase.*
- *One voice. Information is delivered consistently and uniformly across the department for both internal and external audiences.*
- *Easy adoption. Users can find, present and share critical information through a Web browser without extensive training.*

The IBM Crime Information Warehouse solution provides the technology needed to integrate departmental data across different systems, resulting in a single source for actionable information that better addresses policing needs.

Common challenges faced by law enforcement

Police organizations face a common barrier in their goal to reduce and prevent crime—the valuable data each force collects on a daily basis lives in disparate and often incompatible systems. These information silos trap data and often prevent the timely analysis and identification of department-wide patterns.

Since 1994, COMPSTAT initiatives have established an important first step toward consolidating police data into a tool for crime analysis and prevention. In many police organizations, however, COMPSTAT-based systems have not provided precinct commanders with the necessary information at the correct time. Lengthy update processes, cumbersome, paper-based results, rigid analyses and isolated information make it difficult to proactively address criminal activity.

Leveraging current technology to achieve superior, managed results is fundamental to the success of police organizations. IBM Crime Information Warehouse delivers a state-of-the-art crime analysis solution to help police agencies effectively reduce crime.

IBM Crime Information Warehouse

The IBM Crime Information Warehouse solution supports both COMPSTAT and Uniform Crime Reporting initiatives. Crime Information Warehouse allows non-technical staff access to key information via Web browser, such as the year-to-date clearance rate for homicides in a particular district and year-to-year crime trends by district and by type of crime.

Through Crime Information Warehouse, users can find, present and share answers to these and other questions based on current data from all relevant departmental systems. The IBM solution functions as a single, integrated source of statistics that are validated according to standard operating procedures and support departmental, state and Federal Bureau of Investigation reporting rules.

The Web-based Crime Information Warehouse interface allows police organizations to analyze and view data using their own terms: by location, date, signal, priority, offender/victim relationship, domestic violence relation and call-for-service holding time. Interactive charting abilities allow users to display and navigate data graphically to produce and distribute presentation-quality charts and graphs. Staff can produce reports from all data stored in the information warehouse, including incidents, offenses, arrests and calls for service.

Technical profile

The IBM Crime Information Warehouse data model is the heart of the solution. Reporting and analysis abilities are delivered by Cognos business intelligence software with ESRI-enabled geographic information system (GIS) mapping. The entire system can be customized to accommodate the local requirements of individual police organizations. The solution includes the following products:

- *IBM DB2® Universal Database™ Data Warehouse Edition software*
- *IBM WebSphere® Portal software*
- *IBM @server® server*
- *IBM TotalStorage® software and hardware*
- *Cognos ReportNet and Cognos PowerPlay software*
- *ESRI ArcIMS GIS mapping and visualization tools*
- *IBM Global Services and Cognos for integration and customization services*

Benefits

The Crime Information Warehouse can take advantage of current information system investments and operate from embedded best practices. This allows police departments to avoid the costs and risks associated with implementing a modern reporting system from scratch.

For more information

To learn more, contact your IBM marketing representative or IBM Business Partner, or visit: **ibm.com**/government/ciw

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Route 100
Somers, NY 10589
U.S.A.

Printed in the United States of America
June 2005
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GC34-2501-01