Public Safety Analytics & Reporting

Data & AI Helps City Streamline Crime Reporting and Improve Transparency

Public safety departments in the United States are required to provide citizens and other government agencies with accurate, transparent, and timely criminal statistics, both monthly and on an as-needed basis. Many departments are working with legacy on-premise data systems, and could benefit from a known path to make insights and analytics accessible in a secure, compliant, and easy to use platform.

Instead, they manually gather data, spending countless hours assembling statistical reports for other agencies, FOIA requests, or city and county leadership. The manual aggregation of data takes time, requiring police departments to either hire new staff or push out other initiatives. Additionally, this manual effort incurs high costs for staff as they toil diligently to hand-check results and reports before presenting final findings.

Investing in solutions to streamline data operating processes and uncover insights improves citizen and agency confidence. Ultimately, agencies will be able to solve crimes more quickly and utilize existing officer headcount in areas needed most.

ACHIEVING AN EFFECTIVE, EFFICIENT CRIME REPORTING SOLUTION

The elasticity of the cloud allows criminal justice agencies to consolidate their data into an environment where they can take full advantage of high-grade security features, data at scale, advanced analytics and machine learning capabilities. These capabilities can automate reporting, add intelligence to flag discrepancies, analyze more data faster, and uncover findings for staff analysts. With the right partner, you can make similar improvements to your organization.

HOW:

1. DISCOVER NEEDS:
A 2-hour session to understand the public safety agency's current state, assess their needs, and introduce the crime analytics platform

2. INNOVATE & DESIGN
2 WORKSHOPS: Day 1: Taking inputs from needs discovery, align priorities to art of possible;
Day 2: In-depth review of crime analytics platform and design any add-ons or customizations.

Workshop info on back of sheet

3. DEPLOY MVP:
- Deploy crime analytics solution to Azure
- Connect public safety agency's data to the platform
- Light up analytics & insights functionality

LARGE POLICE DEPARTMENT IMPROVES PUBLIC SAFETY REPORTING

A large criminal justice agency was looking for a way to improve the timeliness of crime statistics and reduce the burden and cost on the team to produce this data. Catapult worked with the city to streamline data operations, improve transparency, and find answers for criminal cases faster and more efficiently.

CATAPULT HELPED TO:

1. AUTOMATE PROCESSES
We leveraged Azure Government Cloud to identify data sources, consolidate data, and create an automated process to update changing data environments.

A minimum of 10 manual steps became one.

2. INCREASE EFFICIENCY
We reduced deployment efforts by eliminating manual processes.

Reports that took multiple days are now available immediately.

3. IMPROVE ACCURACY
We ensured consistency in change control and established pre-defined thresholds to flag reports that may have data quality issues.

Dashboards visually alert analysts to any potential data discrepancy.

Catapult

Microsoft

Innovation and Architectural Workshop

2 DAYS OF INNOVATION DISCOVERY AND ARCHITECTURAL DESIGN MAPPING

Catapult, jointly with Microsoft, has an established a process that helps public agencies improve the availability, accuracy, and integrity of data reporting. Our Innovation Workshop and Architectural Design Session set the foundation for the successful implementation of data-driven solutions that help find answers more quickly and efficiently. With the use of your data and Azure's AI and machine learning capabilities, as well as Power BI, Catapult and Microsoft will help you quickly create a solution that fits your needs.

WHAT IT IS:

DAY 1 — Catapult

Innovation Session

This two-to-three hour co-creation, in-person workshop is the first step toward understanding your priorities, ranking them, knowing where to start, and identifying the best way to build velocity in your journey. Catapult and the agency will co-ideate insights and AI scenarios and collaborate to prioritize ideas and scenarios.

Deliverable:

Executive summary and solution briefs with prioritized needs and timelines.

DAY 2 — Microsoft

Design Session

This one-day in-depth workshop reviews cloud technical solutions to the agency's infrastructure and environment. Microsoft reviews data sources, components and solutions available. Microsoft and the agency identify use cases for exploration and map objectives. Architectural components, solutions, and practices that lead to success are recommended. Risks and mitigation strategies are documented

Deliverable:

Statement of project goal, solution requirement and concerns, description of situation and proposed solution, and roadmap for next steps.

SOME PROCUREMENT OPTIONS

DIR Contract Vehicle

(See information on procuring through DIR in attached sheet)

Deliverables Based IT Services (DBITS)
Contract #: DIR-TSO-3843

Microsoft Technical Services (MTS)
Contract #: DIR-TSO-3774

GSA Federal Government Contract Vehicle

Contract #: GS-35F-0613W-SIN-132-51

ABOUT CATAPULT:

Catapult is a digital solutions and services firm that uses technology to solve complex business challenges. Catapult has consistently been recognized as a leading Microsoft partner for its expertise in digital transformation and cloud-based technologies. Catapult was named the 2019 Microsoft Power Apps Partner of the Year Award winner, a finalist for both the 2019 Microsoft Power BI Partner of the Year Award and the 2019 Microsoft Modern Desktop Partner of the Year Award. Catapult has been recognized for numerous other Microsoft partner awards over the years.

FOR MORE INFORMATION:

Senior Account Executive Ashleigh Raymond **Ashleigh.Raymond@CatapultSystems.com**
Director, Data & AI Practice Sid Atkinson **Sidney.Atkinson@CatapultSystems.com**

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How can we help you?
www.catapultsystems.com
1-800-528-6248   info@CatapultSystems.com

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