DataBeagle

by AUDAX LABS

CUSTOMER SUCCESS STORY

Government Law-Enforcement & Corrections Agency

Accelerates Complex Narcotics and Counter-Terrorism Investigations

A unified investigation environment helps officers search petabyte-scale digital evidence, uncover relationships, reconstruct timelines, and maintain chain of custody.

LAW ENFORCEMENT · DIGITAL INVESTIGATION

Overview

A government law-enforcement and corrections agency needed a faster and more effective way to investigate complex narcotics and counter-terrorism cases.

Investigation officers were working with large volumes of digital evidence distributed across multiple systems and formats - including mobile-device extractions, CCTV, body-worn camera footage, audio, documents, chats, call records, CDRs, financial records, and other investigative information.

The agency implemented DataBeagle with Hitachi Content Intelligence to create a unified investigation and evidence-management environment across a petabyte-scale estate, combining search, AI enrichment, case management, relationship analysis, visual timelines, and evidence traceability.

KEY RESULT

FRAGMENTED → CONNECTED

Digital evidence transformed into a case-centric investigation

Key Stats

DATA SCALE

Petabyte-scale

DEPLOYMENT

Production

IMPLEMENTATION

~6 months

PRIMARY USERS

Investigation Officers

INVESTIGATIONS

Narcotics · Counter-Terrorism

USE CASE

Evidence · Relationships · Timeline · Case

Finding the Signal Across Fragmented Digital Evidence

THE CHALLENGE

Modern investigations can generate enormous volumes of digital evidence. In narcotics and counter-terrorism cases, relevant information may be distributed across phones, surveillance systems, body-worn cameras, communications, financial transactions, documents, and multiple investigative repositories.

Some evidence is continuously ingested and indexed. Other evidence arrives as part of a specific investigation. For investigation officers, this created three connected challenges: volume, fragmentation, and time pressure.

Traditional review required investigators to move between systems and manually correlate evidence before they could connect people, devices, accounts, locations, communications, and events.

Questions investigators need to answer

01 Who is connected?

Link suspects, devices, phone numbers, financial accounts, locations and communications.

02 What happened when?

Reconstruct sequences of activity across calls, messages, locations, transactions and surveillance evidence.

03 What repeats across cases?

Identify entities, relationships and patterns that reappear across separate investigations.

WHY DATABEAGLE

One investigation layer across evidence types

1 Multi-format evidence discovery

A common investigative experience spans mobile/UFDR data, video, audio, documents, chats, call data, financial records and other structured or unstructured evidence.

2 AI-enriched investigation

OCR, speech-to-text, entity extraction, classification and content enrichment expose relevant information that would otherwise require extensive manual review.

3 Relationship analysis across cases

DataBeagle correlates people, devices, phone numbers, accounts, locations, communications, transactions and other entities within and across investigations.

4 Visual timeline reconstruction

Investigators can assemble events from different evidence sources into visual timelines to identify sequences, gaps, inconsistencies and connections.

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CUSTOMER SUCCESS STORY

From Evidence Collection to Investigative Insight

CASE-CENTRIC INVESTIGATION WORKFLOW

01 → 02 → 03 → 04

Ingest & index

Bring continuously collected and case-specific evidence into a searchable investigative environment.

Enrich & search

Use OCR, transcription, entity extraction, classification and advanced search across multiple evidence formats.

Correlate & visualize

Connect entities across cases and reconstruct events using relationship graphs and visual timelines.

Collaborate & package

Manage notes, tags, assignments and review status with case-level access controls, then prepare controlled evidence packages.

ESTIMATED OPERATIONAL IMPACT

Faster investigation, less manual review, stronger traceability

50-70% EST.

Faster evidence search & investigation

Unified search, AI enrichment, relationship analysis and timeline reconstruction are estimated to reduce time spent locating and connecting relevant evidence.

30-50% EST.

Less manual forensic review

OCR, transcription, classification and automated enrichment are estimated to reduce the volume of evidence officers must inspect manually.

25-40% EST.

Faster collaboration & preparation

Shared case workflows, assignments, controlled access and evidence packaging are estimated to improve multi-investigator collaboration and evidence preparation.

END-TO-END

Chain of custody

Evidence ingestion, access, review, tagging, metadata activity and export remain traceable through the investigative lifecycle.

FROM FRAGMENTED EVIDENCE TO A CONNECTED CASE

DataBeagle helps officers move from evidence collection to relationship discovery, timeline reconstruction, secure collaboration and prosecution-ready evidence.