

# Use Case: Criminal Investigations

Accelerate entity resolution to jumpstart investigations

## The situation

Law enforcement agencies have different missions and investigate different types of criminal activity — from economic crimes to assaults and homicide to drug trafficking. All investigations have one common denominator — the need for entity resolution to identify and track persons of interest, witnesses, and relationships with the goal of quickly making the unknown known.

Criminal investigations may be extremely time sensitive in order to prevent further harm to an individual, facility, or community.

## Our PAI solution

Entity resolution is pivotal to finding the person, organization, place, or thing that may be the first trigger for an investigation. Publicly available information (PAI) presents a wealth of critical knowledge about entities and associated relationships to jumpstart investigations without delay.

Babel Street's analytics platform offers an AI-enabled cross-lingual, persistent search of thousands of global and regional PAI sources in over 200 languages to rapidly discover and decipher insights on possible victims, witnesses, persons, or companies of interest,

## Who and where are the entities of interest — and their associated relationships in this case?

Babel Street empowers teams with actionable insights to accelerate entity resolution, jumpstart investigations, and potentially solve cases.

as well as reveal unknown connections. Machine learning algorithms monitor for certain keywords and triggers across social media, blogs, message boards as well as the deep and dark web to provide notifications of crime and forensic evidence. Commercial telemetry data may identify the proximity of persons within the crime perimeter, and establish timelines or patterns of life. Link analysis visualizes an extended network of relevant relationships. All insights are automatically translated into your native language and organized in a single pane of glass for investigation and resolution.

## Mission impact

Criminal investigations seek the truth to mitigate further harm, ensure justice is served, and protect citizens.

PAI DATA SOURCES	DATA STREAMS	FILTERS	KNOWLEDGE
<ul style="list-style-type: none"><li>• 50,000+ hyper local news sites</li><li>• Billions of blogs &amp; message boards</li><li>• 50+ social media/geographic specific sites</li><li>• Dark web</li><li>• Watchlists</li><li>• Public records</li><li>• Business registration records</li><li>• Commercial telemetry data (restrictions apply)</li></ul>	<ul style="list-style-type: none"><li>• Entity name variants</li><li>• VIPs, executives</li><li>• Domains</li><li>• Geolocation</li><li>• Relevant user handles</li><li>• Phones</li><li>• Addresses</li><li>• Emails</li></ul>	<ul style="list-style-type: none"><li>• Temporal</li><li>• Keywords</li><li>• Exclusions</li><li>• Intent</li><li>• Geo vernacular</li><li>• Language</li><li>• Regular expressions</li></ul>	<ul style="list-style-type: none"><li>• Entity resolution</li><li>• Credible leads</li><li>• POIs &amp; GOIs</li><li>• Company information</li><li>• Relationships/connections</li><li>• Location</li><li>• Confirmation</li><li>• Timelines</li><li>• Visualization of networks</li><li>• Threat</li></ul>