

Babel Street Match for Watchlist Screening on Portable Devices

BABEL STREET ANALYTICS

Whether it's an airport power outage or a low-resourced border checkpoint, officials must be able to conduct border security screenings on a portable device.

Babel Street Match features a lightweight footprint that enables screening against lists with millions of names on a laptop without sacrificing accuracy. Names are rarely straightforward and highly variable. Misspellings, honorifics, titles, mis-ordering, missing hyphens, or spaces between names all lead to difficulty in matching names of people and those of organizations and locations.

AI solutions for name matching use carefully tuned algorithms to understand transliteration spelling variations, nicknames, and the numerous ways names vary within each language.

Match handles the challenges associated with variations in the names of people, organizations, and locations around the world. Our fuzzy name matching algorithms address the variety and ambiguity of name-centric data to accurately and intelligently find matches quickly.

Match's intelligent fuzzy name matching is the first choice of several U.S. intelligence agencies for watchlist monitoring, including U.S. Customs and Border Protection.

Intelligent Name Matching to Strengthen U.S. Borders

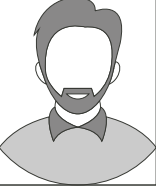
Accuracy is the top priority of many missions that use human language technology — and if there is a hole in the system, it is a risk to national security. Missing even a single match against a watchlist puts citizens at risk. U.S. Customs and Border Protection (CBP) needed a highly reliable solution to prevent known watchlist individuals from passing through screening. By integrating Match into its existing screening system, CBP added greater name matching accuracy — and ultimately greater security — to its border protection efforts.



U.S. Customs and Border Protection



PASSPORT SCAN




NAME
Ignacio Alfonso Lopez Diaz

Date of Birth
23 August, 1973

Passport
MEX

● 70.6% Match to **Watchlist**



LobezDias, Nacho
23/8/1973
Citizen of Mexico

MATCH THRESHOLD	DATA SOURCES
70%	● MRTD
<input type="checkbox"/>	● OCR
<input type="checkbox"/>	● RFID Chip

Match 84%

● Watchlist

No Match

● UN Sanctions

● Interpol

Benefits of Babel Street Match

- Low memory demand allows for device-based deployment
- Matches names of people, locations, organizations, addresses, and date of birth
- Ranks results by confidence score
- Matches names regardless of how the names are written in multiple languages
- Leverages cross-script and cross-lingual matching
- Takes advantage of semantic similarity algorithms for organizational name matching
- Provides greater accuracy and recall
- Faster and more lightweight than legacy solutions

Babel Street is the trusted technology partner for the world's most advanced identity intelligence and risk operations. The Babel Street Insights platform delivers advanced AI and data analytics solutions to close the Risk-Confidence Gap.

Babel Street provides unmatched, analysis-ready data regardless of language, proactive risk identification, 360-degree insights, high-speed automation, and seamless integration into existing systems. We empower government and commercial organizations to transform high-stakes identity and risk operations into a strategic advantage.

Learn more at babelstreet.com.