The National Data Exchange (N-DEx) - Overview
N-DEx

- National investigative information-sharing system.
- Provides agencies with a mechanism for sharing, searching, linking, and analyzing information across jurisdictional boundaries.
- Shares relevant information in a timely and secure manner.
N-DEx Benefits

- Reduce resources expenditures
- Improve quality of investigative information
- Speed up access to investigative information
- Increase communication with other agencies
- Enhance public safety
Connecting Systems Across the Nation
N-DEx Data Sharing

• Created with the security and privacy of information in mind.
• Agencies to determine what data they will share, with whom, and at what level.
• Data sharing rules may be applied as broad as an agency level or as specific as an individual record.
• Agencies control access through a simple color-coded system.
Data Sharing

Green  Viewable
Yellow  Point of Contact
Red  Not Viewable
Prior to Using N-DEx Data

Before using N-DEx data:

**Advanced Permission Requirement:** Permission to use data must be obtained from the record-owning agency.

**Verification Requirement:** Information must be verified for completeness, timeliness, accuracy, and relevancy with the record-owning agency.
Endorsements

- International Association of Chiefs of Police
- Major Cities Police Chiefs
- Sheriffs Association of Major County
- Corrections Technology Association
- National Sheriffs' Association
- Association of State Correctional Administrators
N-DEx Access

• Internet-based
  – Utilizing Law Enforcement Enterprise Portal (LEEP) to access N-DEx Portal
  – Users can access N-DEx data within their local system via web services

• User access is not based on agency data contribution
N-DEx Connections

Secure FTP via Public Internet

N-DEx Data Submission

Web Services via Public Internet

Agency RMS

N-DEx User Access

Web Portal via Public Internet

Law Enforcement Enterprise Portal

IC3
LEO
JABS
NGIC
IDEA
INTELLINK

Individual LEO Account
LEO Special Interest Group

Agency Account
N-DEx on your desktop

Agency System
Authorized Use Codes

Criminal Justice (C)
Criminal Justice Employment (J)
Administrative File Maintenance (A)
Dynamic Messaging

N-DEx is pleased to welcome the Indiana State Police as the newest data contributor.

Check here for important messages about scheduled system outage announcements, instructional opportunities, and other important information from the N-DEx Program Office.
The N-DEx Simple Search

BANK ROBBERY GUN

UNCLASSIFIED
The N-DEx Targeted Search

Search Reason
Search Purpose (required):
Criminal Justice "C"
Search Reason (required):
Search on Behalf of (optional):

N-DEx Filters
Geographic Location
Don't filter

Date
Don't filter

Data Sources
[ ] Federal
[ ] Southern
Region
[ ] Western
Region
[ ] Northeastern
Region
[ ] North Central
Region

Helpdesk - (304) 625-4357
Check here for important messages about scheduled system outage announcements, instructional opportunities, and other important information from the N-DEx Program Office.

N-DEx System Messages

UNCLASSIFIED
Integrated Person Entity View

Raphael Jose Ramirez

Aliases: Ramsey, Ralph Ramsey, Raphael Ramirez

Biographical Information

<table>
<thead>
<tr>
<th>Race</th>
<th>Gender</th>
<th>Height</th>
<th>Weight</th>
<th>Age</th>
<th>DOB</th>
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<tbody>
<tr>
<td>White</td>
<td>male</td>
<td>70</td>
<td>170</td>
<td>48</td>
<td>1970-10-01</td>
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<tr>
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<td>1971-10-01</td>
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</tbody>
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Identifiers

- DLNUMBER: 340642 (CA)
- PASSPORTID: 983111
- FBINUMBER: 111000006
- SSN: 335664622

Residences

- 155 North Main Street SW, Los Angeles, CA, 12345
- 155 Main Street SW, Los Angeles, CA, 12345

Business Addresses

- 1000 La Cienega Blvd, Los Angeles, Calif
- 201 Ocean Drive, San Diego, Calif
- 1000 La Cienega Blvd, Los Angeles, Calif

Records

- CAS311100 - San Diego PD (CA) - Incident Report - 2009-06-25
- DCATFX080X - Incident Report - 2009-02-15
- CAS1900080 - Los Angeles Sheriff's Department (CA) - Incident Report - 2009-02-12

Known Associations

- James Blin - cousin
- Eric Ryder - driver
- Vickyrum Johnson - accomplice

Associated Vehicles

- Honda Accord - registered to James Blin
- Volkswagen Passat - registered to Eric Ryder
- Acura Legend - reported stolen
Geo-Visualization

Raphael Ramirez
Geo-Visualization – Custom Layers

Custom Map Layers

You can customize the map by adding your own content. There are a number of options:

- Drag & Drop (or browse for) a *.csv (comma separated variables) file with latitude/longitude information.

  The first line of the csv file should list the names for the variables. The location variables need to match one of the following names:

  - \textit{latitude variable: lat, latitude, y, ycenter}
  - \textit{longitude variable: lon, long, longitude, x, xcenter}

- Drag & Drop the link for an available map service to the map. Alternatively, you may type the URL below and click "Load".

  N-DEX supports ArcGIS Map Services, Image Services, and Feature Layers. For example, try dragging one of these URLs to the map:

  - \url{Demographics/USA_1990-2000_Population_Change (MapServer)}
  - \url{Demographics/USA_Owner_Occupied_Housing (MapServer)}

Load URL
Real Time Deconfliction

Create Subscription

Enter a descriptive name to uniquely identify the subscription.

Tell me when:
- a new record matches my search
- another user searches for the same criteria

Create  Cancel
Batch Query

Batch Query allows you to automate large numbers of searches by specifying search criteria templates and then uploading files containing rows of parameters to run against those templates. For example, if you would like to run searches for 100 different names, you could create a search template that specifies that it will accept first and last name parameters, create and upload a CSV file containing the 100 names, and then add your batch query to the system’s batch query queue. Click on “New Query Setup” to get started.

Search multiple (up to thousands) people, phone numbers, vehicles, or key words at one time.
Local/Tribal Law Enforcement
Contributors

Current Contributor
In Mapping Phase
Data Commitments to SEP 2014
State Law Enforcement Contributors

Current Contributor
In Mapping Phase
Data Commitments to SEP 2014
Over 4,814 Local, State, Regional, Tribal, and Federal Agencies

Approximately 225 Million Records
Nearly 2 Billion Entities

Federal
- Bureau of Alcohol, Tobacco, Firearms, and Explosives
- Bureau of Prisons
- Drug Enforcement Administration
- Federal Bureau of Investigation
- Air Force Office of Special Investigations
- United States Marshals Service

Leveraged Data Source
- Department of Homeland Security:
  - Immigration and Customs Enforcement
  - Customs and Border Patrol
Federal Data
FBI Commitment

- The FBI...is committed to ensuring information sharing practices are an integral part of the FBI culture.

- All levels of FBI management emphasize the importance of information sharing.

- Relevant information shared in a timely and secure manner.
“N-DEx Success Story of the Year” Award 2014

- Local, state, tribal or federal agencies eligible (excluding FBI)

- Awarded to:
  - Record Owning Agency
  - N-DEx user who located information
  - Lead investigator on case

- Submit story by August 1, 2014 to ndex@leo.gov
“Know where to find the information and how to use it. That’s the secret of success.”

-Albert Einstein
Contact Information