Law Enforcement National Data Exchange

Illinois Integrated Justice Information Systems (IIJIS) Summit
06/25/07

N-DEx Mission

N-DEx will provide law enforcement agencies with a powerful new investigative tool to Search, link, analyze and share criminal justice information such as, incident/case reports, incarceration data, and parole/probation data on a national basis to a degree never before possible.

N-DEx Vision

To share complete, accurate, timely, and useful criminal justice information across jurisdictional boundaries and to provide new investigative tools that enhance the Nation's ability to fight crime and terrorism.
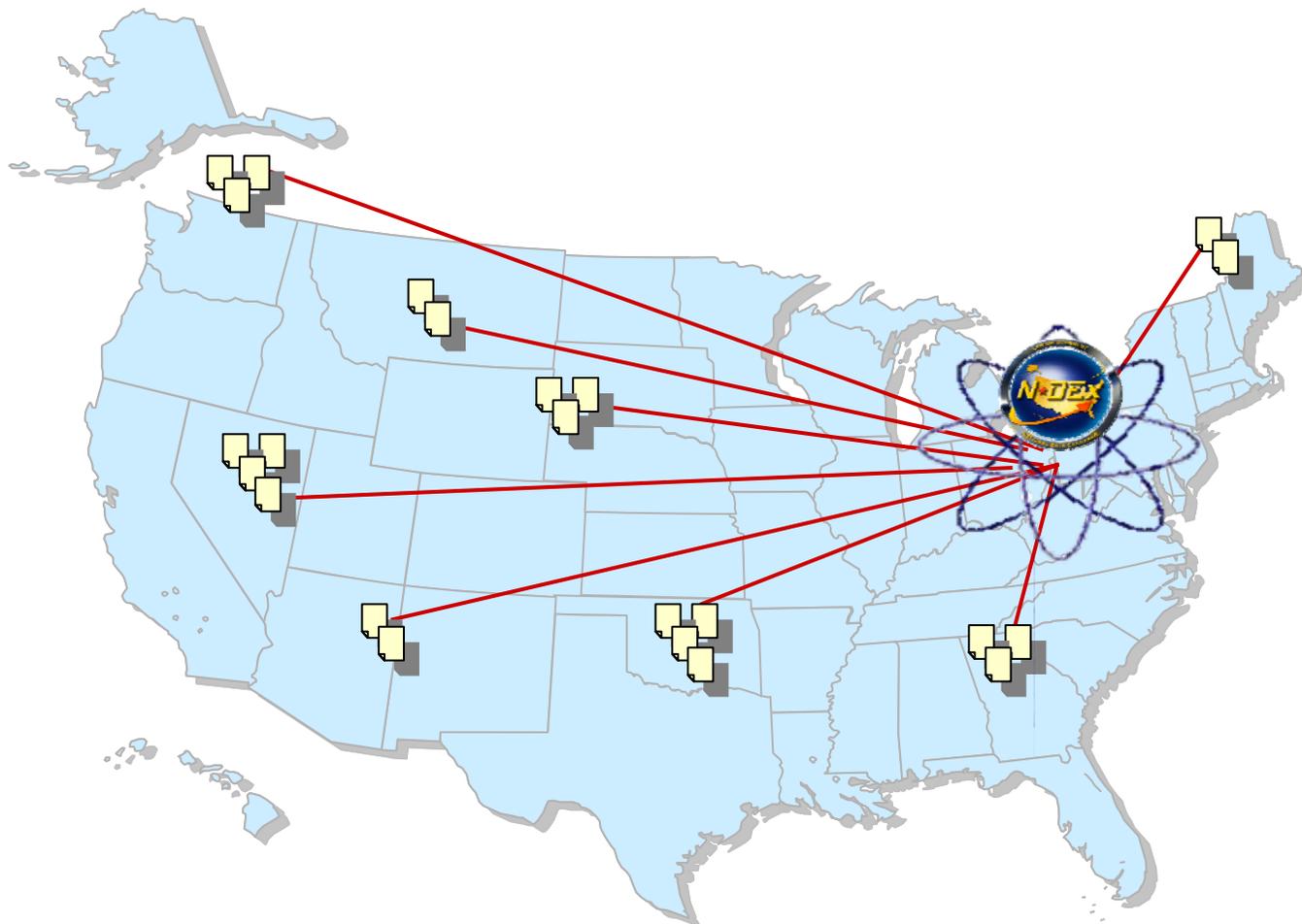
CJIS Current Information Sharing
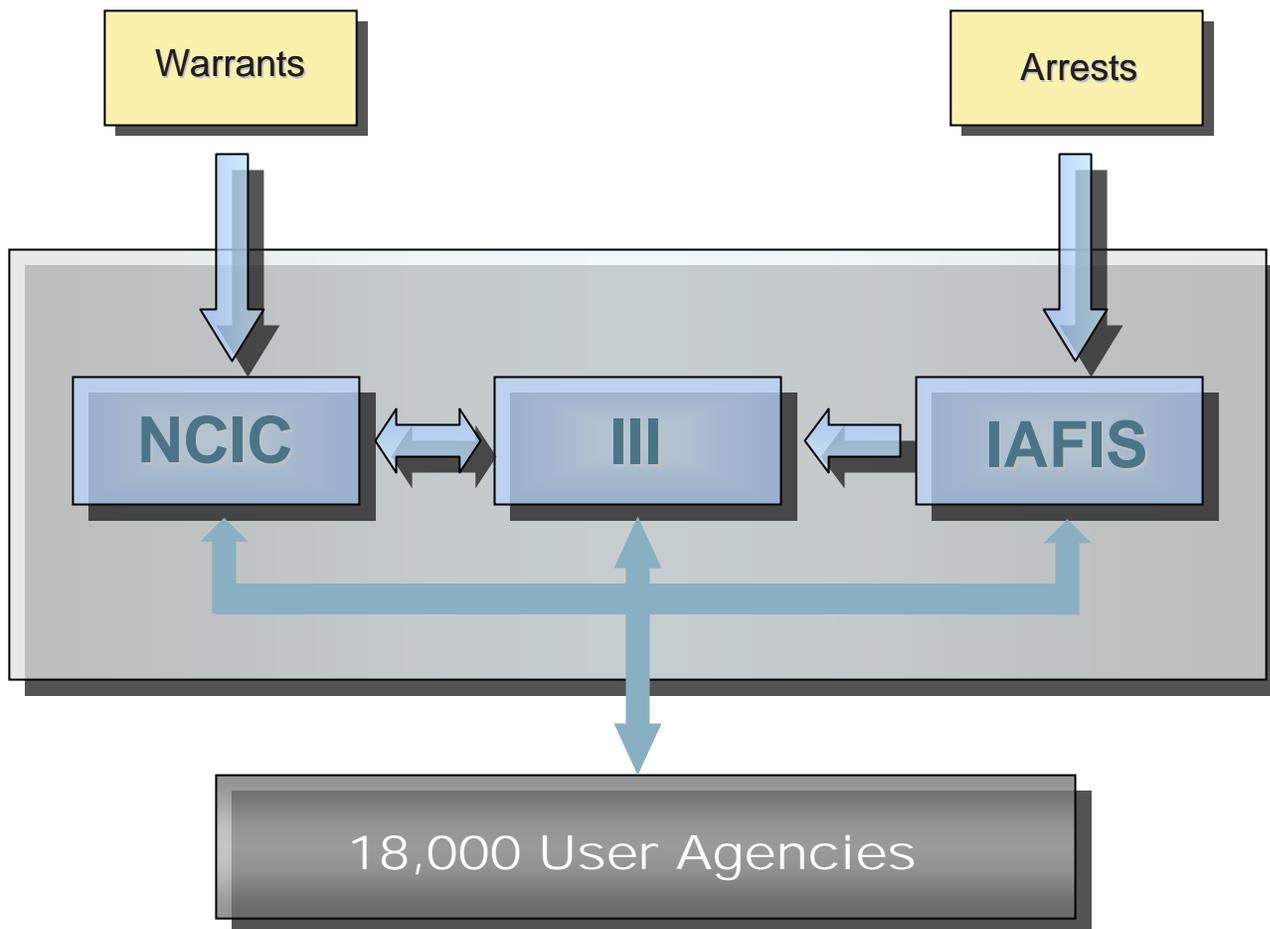
CJIS Information Sharing Gap
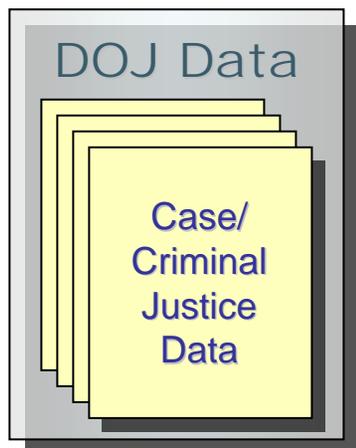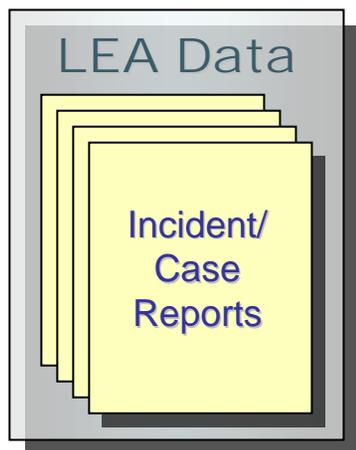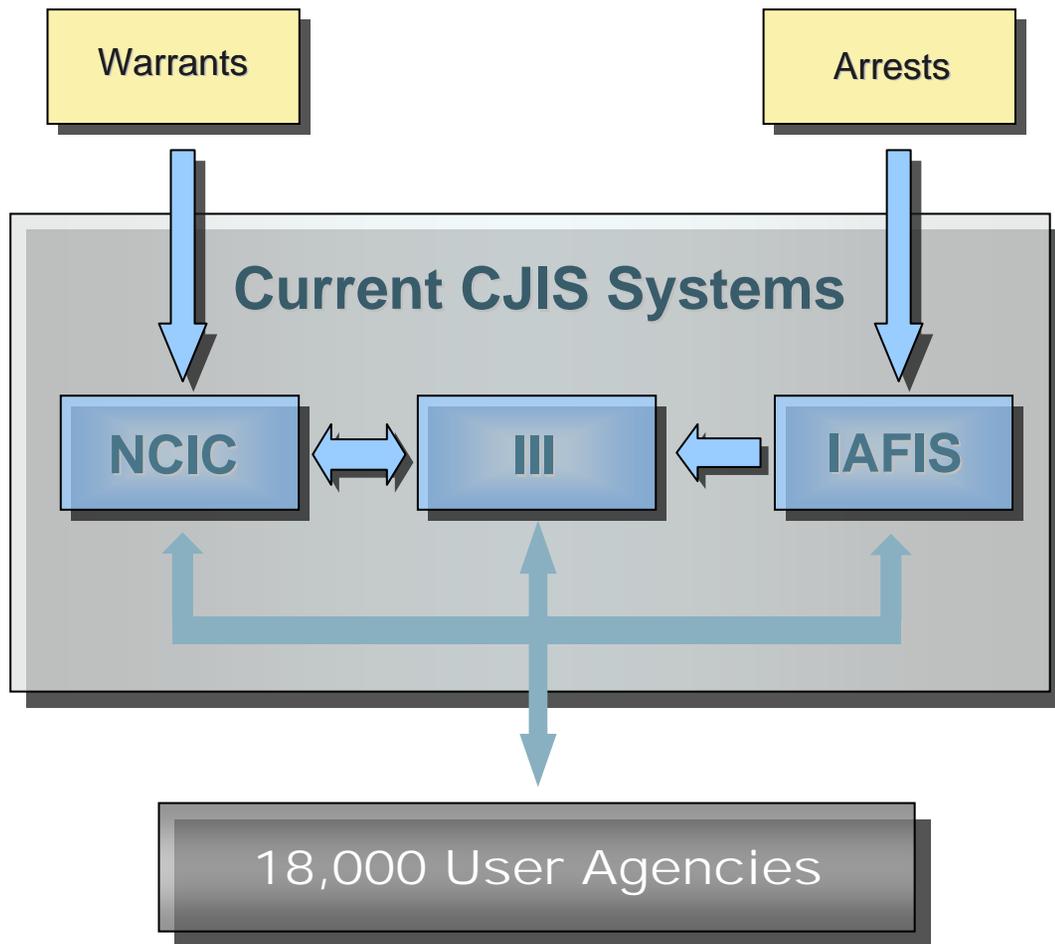
CJIS Information Sharing With N-DEx/R-DEx Integration
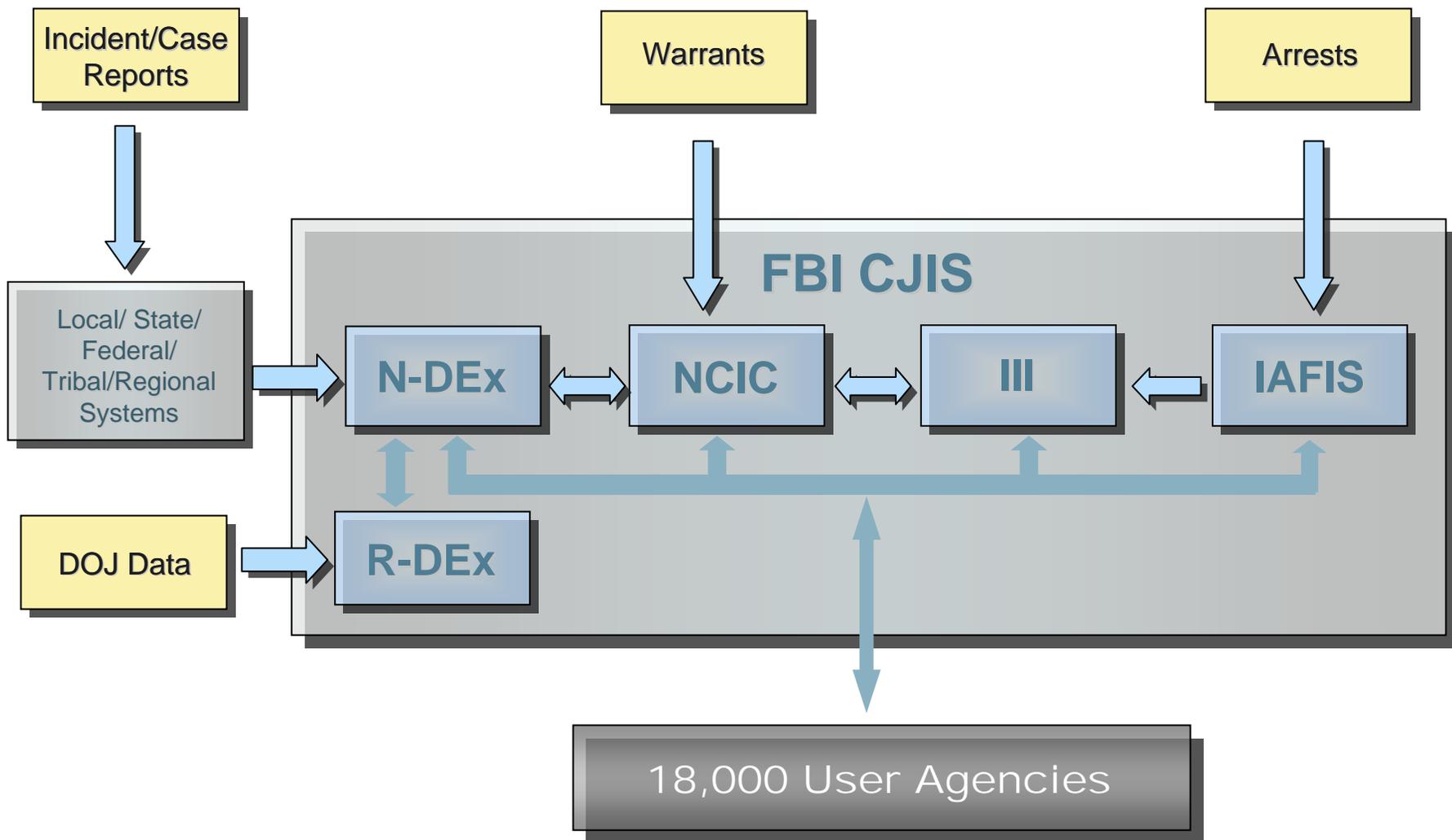
N-DEx Concept

Data Submitted

Information Returned

Data

Services

N-DEx

Capabilities

Entity Correlation

Automated Processing

Entity Resolution

Incident/ Case Correlation

Catalog/ Index

Visualization

Collabora-tion

Search

Sub-scription

Notification

Analytical/ Reporting

People, Places, Things, Relationships, Characteristics
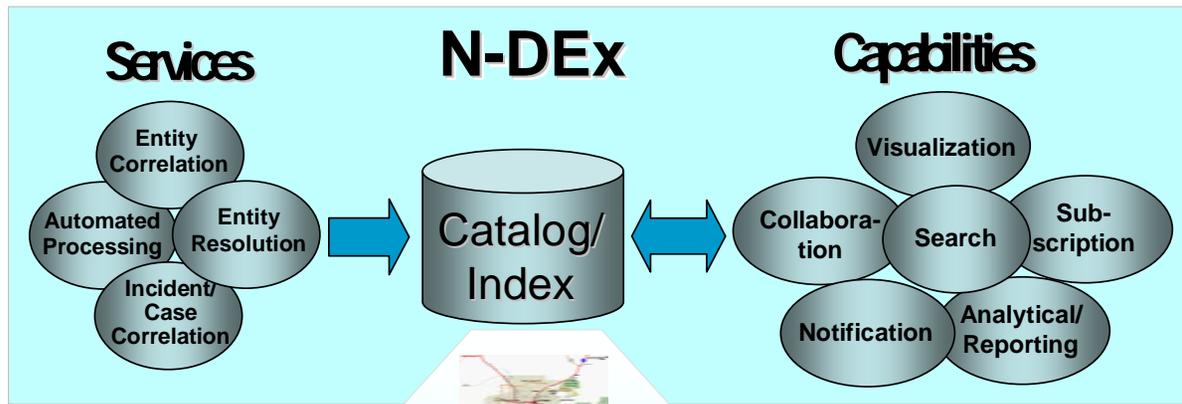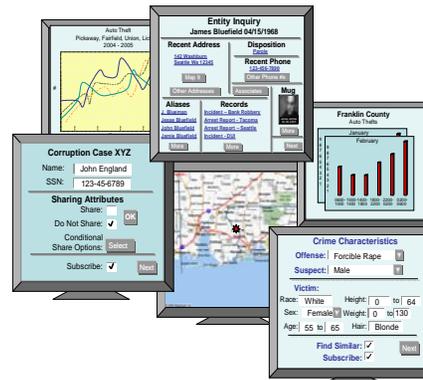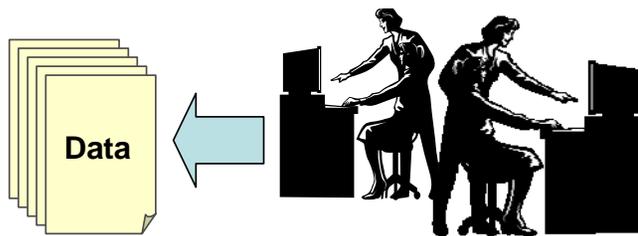
Entities

N-DEx
National Sharing of Criminal Justice Data
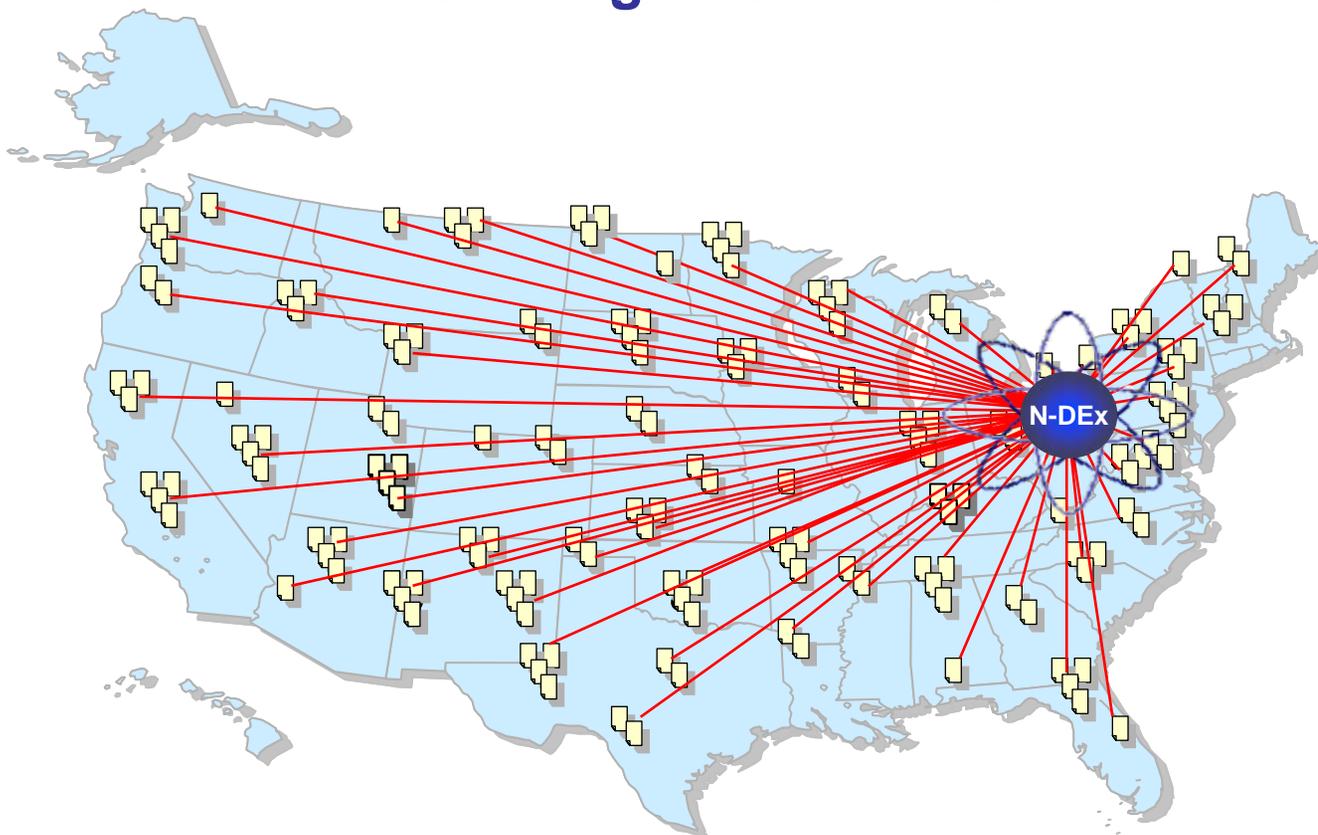
- **Provides National Information Sharing of Criminal Justice Data**
- **Links Regional and State Systems**
- **Enables Virtual Regional Information Sharing Capability**

Local, State Federal, Tribal, Regional Law Enforcement Data (N-DEx)

N-DEx / R-DEx Relationship
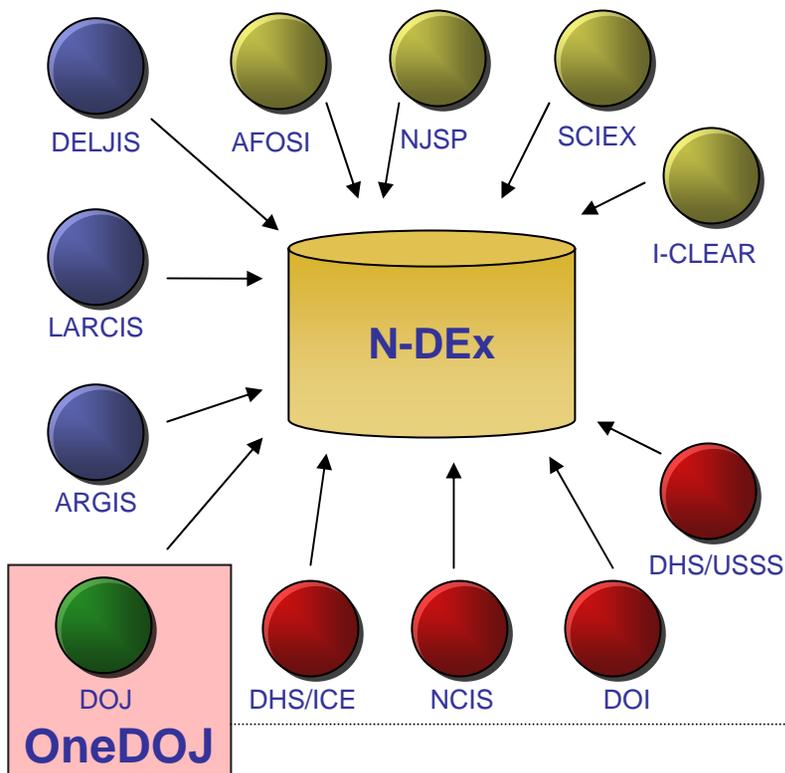
- 250,000 potential users
- Entity Correlation and Resolution
- Connectivity via CJIS WAN & LEO
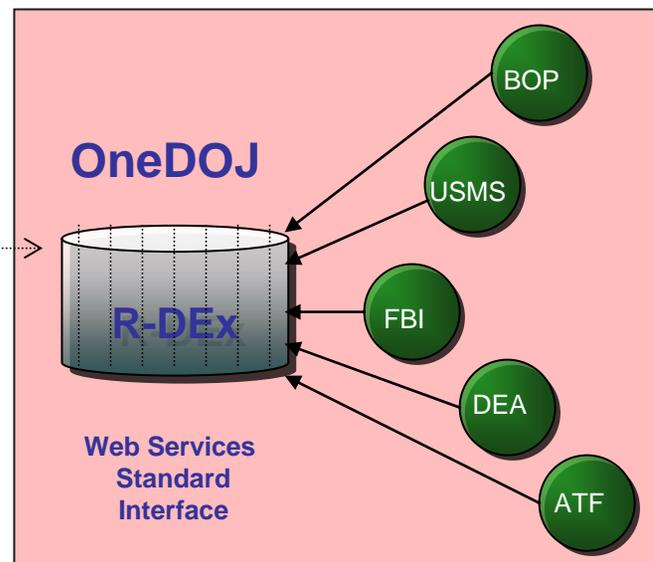
R-DEx
Regional Sharing of DOJ Data
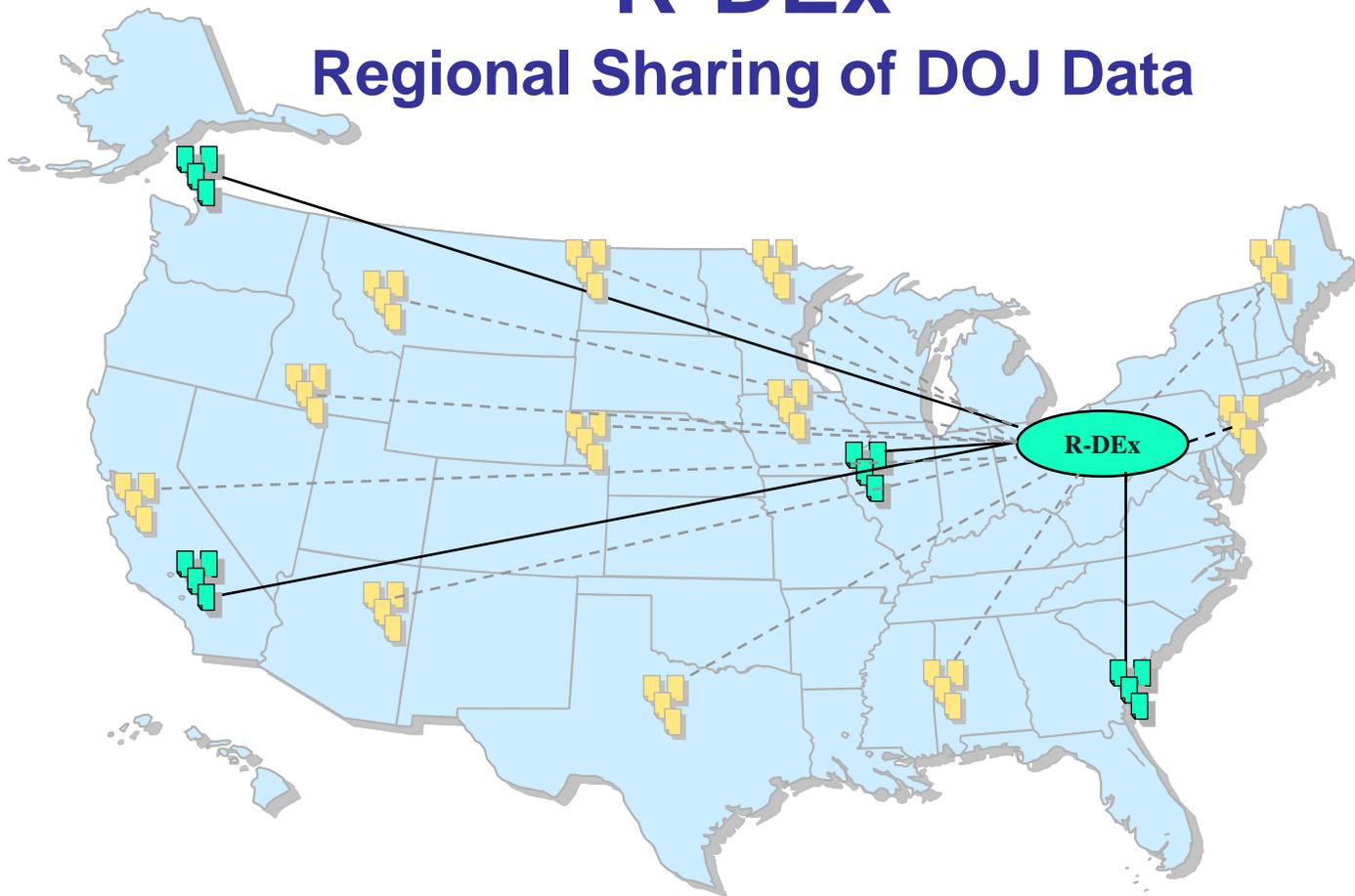
- **Provides Regional Sharing of Detailed Federal Case Information (i.e. ATF, FBI, DEA, USMS, BOP) with States, Local Regional Information Systems**

= Current DOJ Data Sharing Participant Locations   = Potential Future DOJ Data Sharing Participant Locations

National Information Sharing Strategy
N-DEx/R-DEx Integration
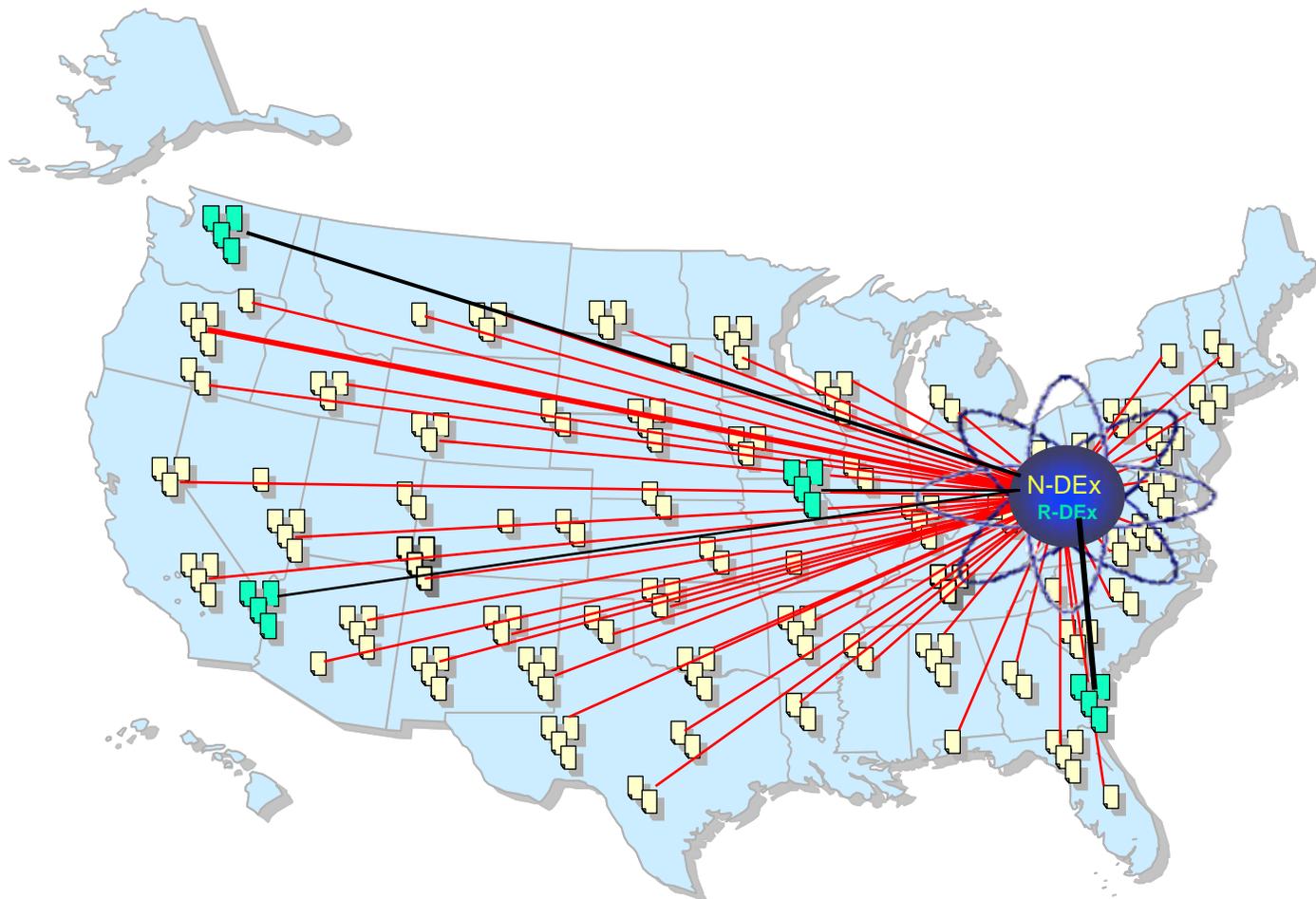
N-DEx Functional Integration

- **End-User Browser**
  - LEA users will be provided the ability to access N-DEx directly through a web browser
    - Web Services for delivery of data scheduled for Increment 1.
    - Web Services for receipt of data scheduled for Increment 3.
- **Web Services**
  - All N-DEx user level capabilities will be available to external LEA systems through web service interfaces
  - Example - RMS or regional system may wish to integrate N-DEx capabilities into the local system's user interface

N-DEx Data Standards

- **Extensible Markup Language (XML) - structured language for describing information being sent electronically to N-DEx.**

- **The National Information Exchange Model (NIEM) is using the GJXDM to build a common XML data exchange standard for information sharing among:**
  - Department of Homeland Security
  - Department of Justice
  - Justice, public safety, homeland security, and intelligence.

- **The N-DEx IEPD v1.0 is available at:**
  - **www.it.ojp.gov**
  - **On left hand column, click on IEPD Clearinghouse**
  - **Click on Find IEPD Information**
  - **In the Search field, search "N-DEx"**
  - **Click on the N-DEx IEPD**
  - **Click on the Web link to the actual IEPD**

Prototype activities will support the following program initiatives

- Support and establish the N-DEx data set and data submission guidelines through GJXDM/NIEM
  - Working with Georgia Tech Research Institute to develop Law Enforcement N-DEx Incident Information Exchange Package Documentation (IEPD) released February 2007

- Support the evolution of N-DEx business and policy rules through the APB

- Provide law enforcement active participation and submission/validation of existing RMS data

N-DEx Prototype

- Los Angeles Regional Crime Information Center (LARCIS)
    - 506,071 Submissions submitted (May 14, 2007)
    - Mapped data to N-DEx Bundle Version 1.0.4
    - Daily submissions via standard web interface over the CJIS Wide Area Network

- Delaware Justice Information System (DELJIS)
    - 22,362 Submissions submitted (May 14, 2007)
    - Mapped data to N-DEx Bundle Version 1.0.4
    - Daily submissions via standard web interface over the CJIS Wide Area Network

- San Diego Automated Regional Justice Information System (ARJIS)
    - 837,284 Submissions submitted (May 14, 2007)
    - Mapped data to SEARCH IEPD
    - Batch submissions through SFTP

- Marietta, Georgia
    - 1000 Submissions submitted (May 14, 2007)
    - Mapped data to N-DEx Bundle Version 1.0.4
    - Daily e-mail submissions

Next participating N-DEx Prototyping Agencies

- **Nebraska mapping to N-DEx Bundle Version 1.0.4**
  - Submitted test data, validated
  - Working on establishing connectivity

- **ARIES mapping to NIEM Version of the N-DEx IEPD**
  - Submitted test data
  - Working on establishing connecting

- **Ohio mapping to new IEPD**
  - Submitted test data

- **AFOSI mapping to the new IEPD**

- **LInX**
  - MOU in process

N-DEx Program Timeline

FY 07				FY 08				FY 09				FY 10			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Increment I - Initial Deployment

*Sharing of Incident/Case Report Information
*Search
* Correlation (Basic)
* Visualization (Basic)
* Limited Fail - Over Capability
* Initial Support 50,000

Increment II - Second Deployment

* Increasing System Fail-Over Capabilities
* Add Data Sets Incarceration Data and Arrest Booking Data
* Correlation (Advanced)
* Visualization (Advanced)
* Subscription/Notification (Advanced)
* Analytical/Reporting (Basic)
* 100,000 Users
*NIBRS (extraction)

Increment I - O & M

Increment III - FOC

* Implement Fully Redundant System and Environments
* Add Data Sets- Probation/Parole Data
* Enhancements and Modifications Previously Deployed
* Analytical Reporting (Advanced)
* Rolled out Nationally to participants
* 200,000 Users

Increment II O & M

O & M

N-DEx / NCIC Integration

- **N-DEx will be required to query NCIC via NCIC transactions such as the QW, QG, QA, and QV transaction.**

- **N-DEx will search 16 of the 21 NCIC files, to include Interstate Identification Index (III) search.**

- Originating Agency Identifier
- Wanted Person
- Missing Person
- Foreign Fugitive
- U.S. Secret Service Protective
- Vehicle
- License Plate
- Boat

- Vehicle/Boat Part
- Article
- Gun
- Violent Gang and Terrorist Organization
- Convicted Person on Supervised Release
- Convicted Sexual Offender Registry
- Identity Theft
- Immigration Violators

N-DEx Commitment

- State Agencies
    - Alabama – Upgrading state system that will be N-DEx compatible; MOU
    - Colorado – Conducting development efforts to build state system to be N-DEx compatible; MOU
    - Connecticut – Five agency accident form project as proof of concept, mapped to SEARCH IEPD for transition to incident data
    - Delaware – Actively submitting N-DEx compliant incident data; MOU
    - Florida – Building state system that will be N-DEx compatible
    - Illinois – New state system that will be N-DEx compatible; MOU
    - Kansas – Upgrading state system that will be N-DEx compatible; MOU
    - Michigan – Mapping to N-DEx IEPD; MOU
    - Missouri – Expanded state system; MOU
    - Nebraska – Test data submitted to prototype and validated; MOU
    - New Jersey – Expanding system to be N-DEx compatible
    - Nevada – Obtaining funds to upgrade state system that will be N-DEx compatible; MOU
    - Ohio – Mapping to N-DEx IEPD, test data projected by May 2007; MOU
    - Oklahoma – State system that is N-DEx compatible; MOU in process
    - Oregon – Mapping to N-DEx IEPD; test data projected by Aug 2007, MOU
    - Pennsylvania – Conducting development efforts for connectivity to N-DEx, MOU in process
    - South Carolina – State system is N-DEx compatible; MOU
    - Tennessee – State system that is N-DEx compatible; Mapping to N-DEx IEPD; MOU
    - Texas – Mapping data to N-DEx IEPD, MOU, test data July
    - Virginia – Building state system that will be N-DEx compatible; MOU, partial participation through Regional System, LInX
    - West Virginia – Exploring available resources to strategize plan for N-DEx participation; MOU
- Local/Regional Agencies
    - LARCIS, LA County, CA – Actively submitting N-DEx compliant incident data; MOU
    - ARJIS, San Diego, CA – Date mapped to SEARCH IEPD, test data submitted and validated, four years of data received; MOU
    - ARIES, Northern CA – mapping to N-DEx IEPD, test data projected by May 2007, MOU
    - Marietta, GA – N-DEx compatible mapping complete; MOU
    - LInX Hampton Roads – MOU
- Federal Agencies
    - AFOSI – Upgrading records management system that will be N-DEx compatible; mapping to N-DEx IEPD

N-DEx Data Sensitivity Levels

The entering agency categorizes data submitted to the System into levels of sensitivity upon which the dissemination of the information/data is controlled.

APB Approved Sensitivity Levels:

LEVEL 1 - SHARED

N-DEx shall provide the capability for data contributors to allow sharing data it submits to N-DEx

LEVEL 2 – CONDITIONALLY SHARED

N-DEx shall provide the capability for data contributors to specify "pointer based" sharing of data. (i.e. provide POC information only)

LEVEL 3 – NOT SHARED

N-DEx shall provide the capability for data contributors to restrict data its submits to N-DEx. This level is reserved for the most restricted investigations and investigative information.

- This capability will allow agencies to submit information for sharing but control the dissemination of sensitive information to protect investigative equities.
- Sensitivity applied to specific data elements if needed

Privacy Impact Assessment

- N-DEx Privacy Impact Assessment (PIA) for N-DEx was approved by the Office of General Counsel (OGC) on 05/02/2006

- Subsequent changes to the prototype Memorandum of Understanding (MOU) will be added via an addendum to cover the FOIA issues.

- The PIA was signed and approved by DOJ Privacy Officer on 04/06/2007.

- A Privacy Act System of Records Notice and Exemption Notice is prepared and ready for publication pending CJIS Management Approval.

- An Operational MOU is being drafted and will replace the current Prototype MOU.

Privacy Advocacy Group

- First Privacy SME meeting held at CJIS on 06/13/2006 . Privacy Project representation included the following:
    - Innocence Project
    - Project Council ACLU Tech and Liberty Program
    - Texas Innocence Project
    - American Indian Development Associates

- FACA sanctioned through APB

- No previously unaddressed privacy issues were identified by the group

- Meeting held on 01/12/2007 with ACLU Director Technology and Liberty Project discussing N-DEx R-DEx relationship

Questions

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