

Nlets Update

Kate Silhol

Nlets Chief Information Officer

Sunsetting of Legacy Socket Protocol

- Four users remain
- **Web Services or MQ** are acceptable communication protocols



Sunsetting of Legacy Data Formats

- All messages must be XML and must be in the **standardized format** where available (all response types received from multiple sources)
- Responses that must be updated to standardized format:
 - Amber Alert
 - Boat Registration
 - Concealed Weapons
 - Criminal History
 - Drivers Responses
 - Hit Confirmation
 - Parole, Probation, Corrections
 - Sex Offender
 - Snowmobile
 - State Warrant
 - Vehicle Responses
 - Wildlife Violation/License

Data Format Sunsetting Status

- Delaware
- Minnesota
- North Carolina
- Utah
- Canada
- ~10 federal agencies and all strategic partners are currently compliant



way to go, early adopters!

BAF Priority

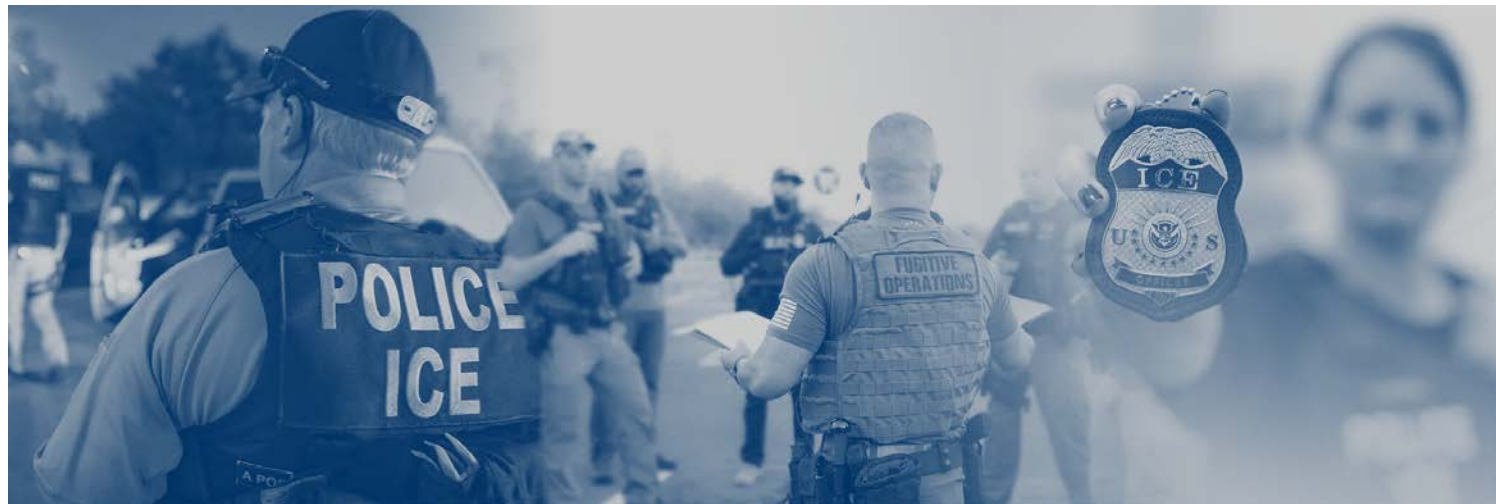
- The Brodie Assistance Fund (BAF) supports the development of services and technologies that directly benefit the Nlets mission and vision.
- Funding the standardization of XML is a top priority for BAF in 2022
- For more information:
 - <https://nlets.org/resources/baf>
 - blocke@nlets.org

Rapsheet

- JTF
 - Nlets continues to work with the FBI Joint Task Force for Rapsheet Standardization
 - JTF Chair is Leila McNeill, Idaho
- Rapsheet Parsing
 - Nlets service to parse legacy text transactions into standardized XML format
- LENS
 - Nlets Project that complements JTF work as it drives forward the adoption of the JTF Standard; contract funded by DHS ICE

DHS ICE - LENS

- *Law Enforcement Notification System*
- Project to enhance Nlets' capability to support DHS in their mission to notify US law enforcement of ICE custody releases within their jurisdiction



LENS Phases 1 & 2

Phase 1

- Extended the BJS CHRIS Criminal History Parsing to allow a standardized XML output
- Resulted in Parsed Rapsheet (PFR and PII) availability for all Nlets users
- Completed in 2014

Phase 2

- Implemented LENS subscription notification routing by zip code in NJIN
- Resulted in ability for notification broadcasts to be destined to subscribers by zip code
- Copying US Marshals on all LENS notices on registered sex offenders
- Mapped state statutes to NCIC charge codes for all states
- Resulted in additional NCIC charge code data for all parsing users
- Completed in 2018

LENS Phase 3

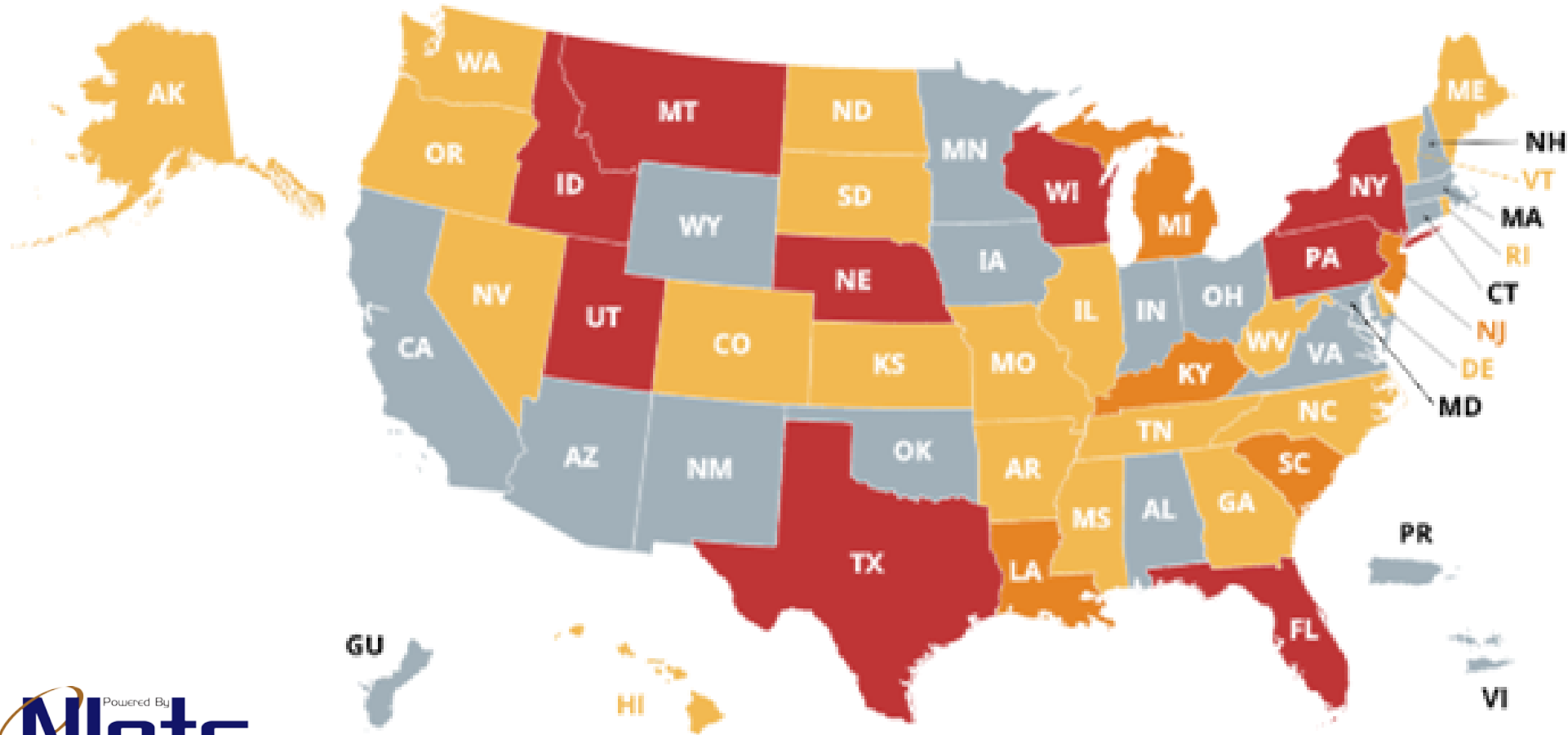
- Primary goal is to assist more states with mapping natively
- Native mapping will include the NCIC charge code in Rapsheets directly from the state
 - Ensures the authoritative mapping (state making the mapping decision, not Nlets)
 - NCIC code data available to all recipients of the Rapsheet, not just those using the parsing services
- Also continuing to map any new or missed statutes based on exception reports

LENS/NCIC Mapping Updates

- Improved import process for state statute data
- Updated state statute to NCIC matching algorithm
 - Integrated matching by “Charge Literal”
 - Updates to architecture to limit extraneous data
 - Improvements to core matching code
- Alignment of statute code variants

LENS Native Mapping

Active In Progress Niets-LENS Not Available





Ntelligence

The Nlets Business Intelligence and Analytics Fabric

What is Ntelligence?

Ntelligence is ...

Operational Analytics

Realtime/Streaming Data Analysis

Predictive Analytics Engine

Data Visualization

Timely Reporting

How Does Ntelligence Work?

Gathering Qualitative Data

NJIN

Nlets Transactional Data



solarwinds 

Systems Operational Data



 **ExtraHop**

Network Status Data



splunk 

Operational Security Data



Application Logs

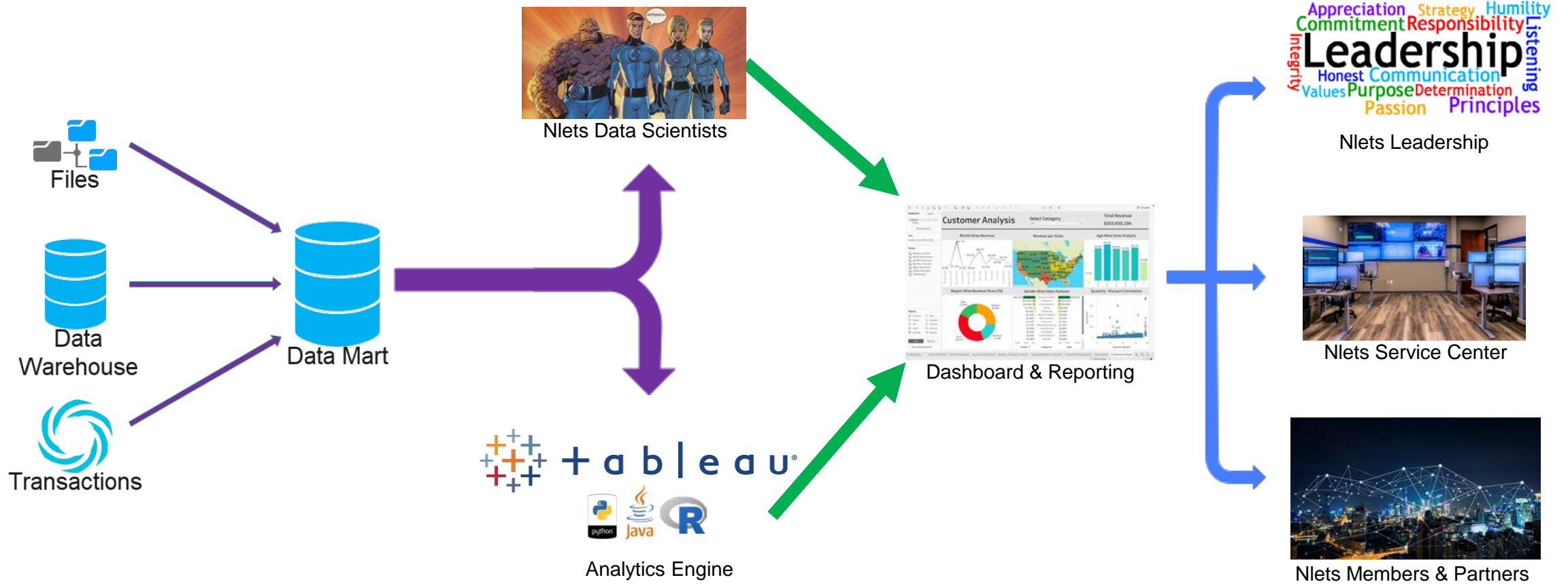
Application Logs



Nlets Data Warehouse


Microsoft®
SQL Server®
2019

How Do We Use Ntelligence?



Nlets Resources

- Website (www.nlets.org)
- N-GAGE (<https://ngage.nlets.org>)
- Wiki (<https://wiki.nlets.org>)

Questions

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