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:
  o Amber Alert
  o Boat Registration
  o Concealed Weapons
  o Criminal History
  o Drivers Responses
  o Hit Confirmation
  o Parole, Probation, Corrections
  o Sex Offender
  o Snowmobile
  o State Warrant
  o Vehicle Responses
  o 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
Introducing 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**
- Niets Transactional Data

**SolarWinds**
- Systems Operational Data

**ExtraHop**
- Network Status Data

**Splunk**
- Operational Security Data

Application Logs

Nlets Data Warehouse

- Application Logs

Microsoft SQL Server 2019
How Do We Use Ntelligence?

- Files
- Data Warehouse
- Transactions

Data Mart

Analytics Engine

Dashboard & Reporting

Nlets Data Scientists

Nlets Leadership

Nlets Service Center

Nlets Members & Partners

Tableau

Java

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Nlets
Nlets Resources

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

Kate Silhol
Nlets Chief Information Officer
ksilhol@nlets.org
623-308-3511