Global Federated Identity and Privilege Management (GFIPM)

Georgia Tech Research Institute (GTRI)

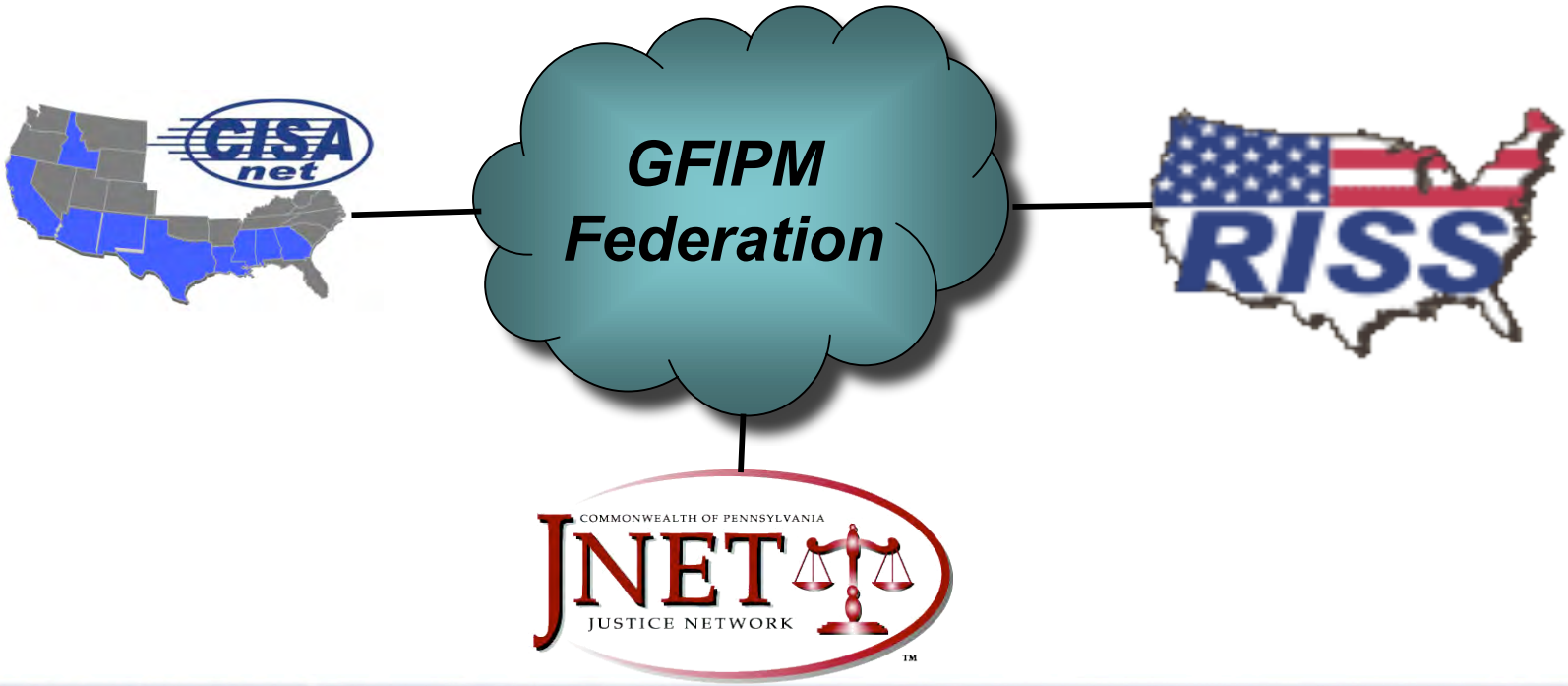
GFIPM Metadata

- Provides a ***common data model*** across federation systems
  - Common ***semantics*** and ***structure*** for metadata associated with federated users and federated entities
- Supports
  - Identification and Authentication
  - Resource Authorization / Privilege Mgmt
  - Auditing / Accountability
  - Personalization
  - Future framework for Privacy Policy Enforcement

GFIPM Assertion Design Objectives

- Leverage existing GJXDM and NIEM data modeling concepts, principles, architecture, and content (semantics and structure).
- Leverage existing federated identity standards. Specifically, the Security Assertion Markup Language (SAML). Support for other standards and versions in the future is anticipated.
- Leverage other relevant metadata initiatives
  - DHS user attributes for authority based access control
  - Global Technical Privacy Working Group
- Allow for many use cases of FIPM
  - User-to-Application
  - System-to-System (SOA use case)
- Separation of the identification and ***modeling*** of GFIPM Metadata from the ***encoding*** and transport of that metadata between federation participants in a SAML Assertion.

GFIPM Security Interoperability Demonstration Project



Project Initiation and Funding

- GFIPM project was initiated by the Global Security Working Group in 2005 in response to the National Criminal Intelligence Sharing Plan (NCISP)
- Funded jointly by Bureau of Justice Assistance (BJA), National Inst. of Justice (NIJ), and Dept. of Homeland Security (DHS) Office of Chief Info Officer (OCIO)
- Initial project phase included three existing networks within the justice community
  - Criminal Info Sharing Alliance Network (CISAnet)
  - Pennsylvania Justice Network (JNET)
  - Regional Information Sharing Systems Network (RISSNET)
- Project mgmt, engineering, and technical assistance provided by Georgia Tech Research Institute (GTRI)

Resources

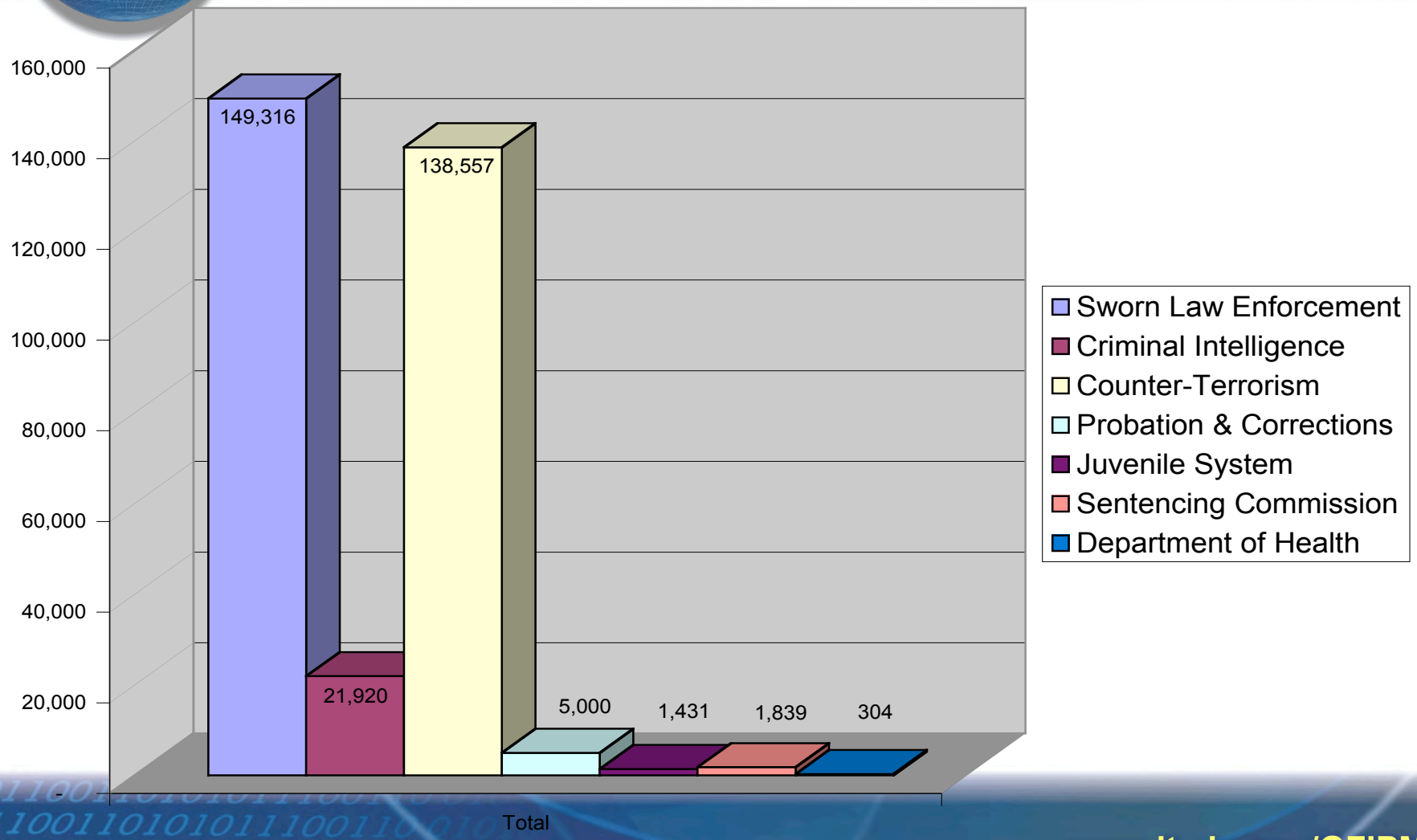
- http://gfipm.net
- http://www.it.ojp.gov/GFIPM
- http://impl.gfipm.net

Global Justice
Information
Sharing Initiative

DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Questions ?

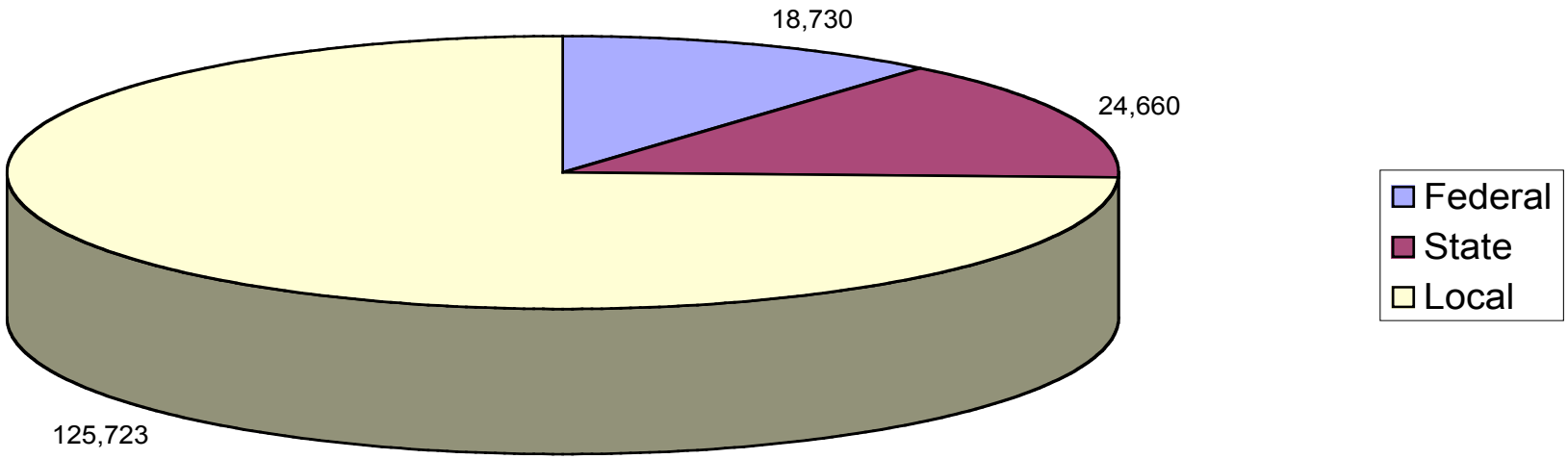
GFIPM User Demographics



www.it.ojp.gov/GFIPM

Total

GFIPM User Demographics



Total Potential Users ~170,000