

GRA High-Level Overview

Scott Came, SEARCH
Vice Chair, Global Standards Council

Workshop on Information Sharing and Safeguarding Standards
December 5, 2011



United States
Department of Justice



GRA High-Level Overview



What is the GRA?

- Reference architecture for SOA
- Developed by Global (FACA to the US Attorney General)
 - Scope started out as integrated justice
 - 90% is reusable in any domain (or multiple domains)
- Grounded in open standards
 - Industry standards such as WS-*
 - Community standards such as NIEM and GFIPM



GRA High-Level Overview



SOA Reference Architecture

- Reference architecture is a set of ingredients from which architects can build concrete architectures
 - Guides toward an architectural style (e.g., SOA)
 - Reduces time, effort, cost
- Two GRA use cases
 - Model SOA for state, local integration
 - Candidate architecture for national-scope services



GRA High-Level Overview



GRA Components

- Taxonomy for SOA (OASIS SOA RM)
- Methodology for identification and design of services (includes SOA design principles)
- Infrastructure guidelines
- Messaging protocols (profiling of WS-*)
- Reference service specifications
- Linkages to other community standards (NIEM, LEXS, GFIPM, Global technical privacy framework)



GRA High-Level Overview



GRA in the Field

- State/Regional Implementations
 - Hawaii
 - Maine
 - Alabama/Florida
 - Pennsylvania
- National Capabilities
 - TSC Watchlist Hit Confirmations and Fusion Centers
 - Supervision transfers