Cook County Enterprise Service Bus
Facilitating Secure Data Exchanges throughout the County

What

- Service Oriented Architecture (SOA)
- National Information Exchange Model (NIEM)
- Data Sharing
- End-to-end security
- Tracking, auditing, data protection

Why

- Autonomous agencies with varying tech sophistication
- Interoperability and Reusability
- Reduce or eliminate paper-based processes
- Right data, right time, right person
- CJIS Compliance

How

- Enterprise Service Bus (ESB)
- Information Exchange Package Definition (IEPD)
- Data exchanges
- Data sharing policies, MOU, MOA
- Change management and governance

Enterprise Service Bus is Operational

First Data Exchange

- On **December 22nd, 2016** the ESB went **Live** with the first Exchange
- The Charging Exchange between State's Attorney and Office of the Clerk of the Circuit Court is Live

Second Data Exchange

- The second exchange—Mittimus—is under development

Next Steps and Development

Top Priority: Bond Court Process

Agencies

- Various Law Enforcement Agencies
- Clerk of the Circuit Court
- States Attorney
- Office of Chief Judge
- Sheriff
- Public Defender

Documents

- Arrest Information Report
- Bond Order
- Case Report
- Complaint
- Felony 101
- Inventory Report
- Prisoner Data Sheet

Other CCICJIS Initiatives

eDefender

Sync Case data between Clerk and Public Defender

Updates to happen from Clerk to PD (one direction only)

Automated Court Reminder System

Solution being designed and implemented to accommodate numerous County and Law Enforcement Agencies

Data exchanges will be designed for ESB platform

Clerk of Circuit Court Case Management & Docket System

Identify all possible data exchanges needed using ESB

Bond Court Exchanges

Many of the current Exchanges are a manual passing of paper

Many of these documents are being entered into the Clerk's system

By implementing a digital transfer process many errors can be eliminated

This makes the Clerk's Office the authoritative source of the bond document data

Adding the Enterprise Service Bus will reduce duplicative effort, provide for faster processing and improve transmission stability and security

Automated Court Reminder System

Information Sharing

- Law Enforcement Agencies aggregating bookings into CPD's iCLEAR
- Clerk Court Calls
- PD collect defendant information
- OCJ Pre-Trail Services
- Sheriff collect Jail visitor interests
- Web Portal Self-Registration

Deliverables

Completion of cross-agency process interaction flow

Establishment of Working Groups Policy & Technology

- **Policy Group:** Responsible for the development of MOUs, terms and conditions and defendant disclosures. Stakeholders have completed work on a draft Memorandum of Understanding (MOU) template.
- **Technology Group:** Responsible for technical requirements, exchanges and finalizing contract amendments.

Contract Amendments

In current negotiations with AST and Adapt Telephony Services, LLC to finalize amendments for board approval.

Solution Requirements

- Interactive Voice Response System (IVR)
- Enterprise Service Bus (ESB)
- Database and Web Application

Scheduled Synchronization of Case information

Clerk's Traffic System and On-Line Disposition Reporting System

Public Defender's new Case Management System

Data exchange development on Enterprise Service Bus