



# Enterprise Service Bus Program

Integrated Justice “Bus” Initiatives

Quarterly Report: Q2 2018

Bureau of Technology

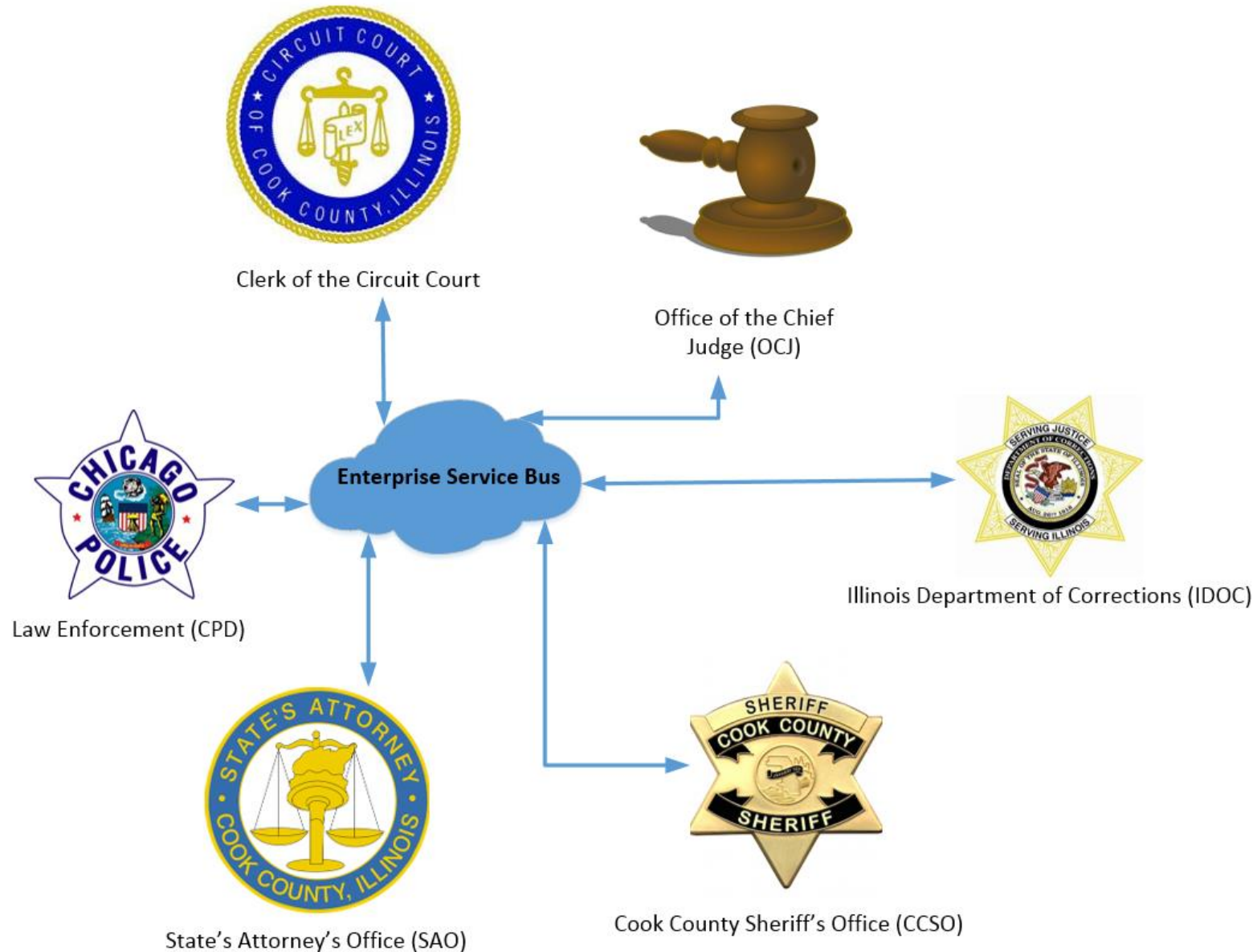


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# Enterprise Service Bus Overview





# Enterprise Service Bus (ESB) Integrated Justice Overview

- The Integrated Justice Partners Project (IJPP) is a multi-phase initiative to utilize the Bureau of Technology's (BOT) Enterprise Service Bus (ESB) to automate the exchange of data between key justice agencies.
- The Project combines the high-priority data exchanges that have been identified by the Cook County Integrated Criminal Justice Information Systems (CCICJIS) committee and a sharing of mission-critical data between County and local, state, and federal agencies.
- The 'Service Bus' program will expand to include additional projects as part of the Integrated Justice Initiatives
- Projects within the program are separately managed and may require their own funding source and Memorandum of Understanding
- The initial projects will be based on the Criminal Justice program using a Heat Map as a source for new data exchanges. The Criminal Justice Information Systems (CJIS) Heat Map was devised to help organize the selection process to choose which data exchanges to automate in what order. "Hot" exchanges on the map, which are more frequent or important, are given priority.



# ESB Exchanges Timeline



## PHASE I – Clerk/Circuit Court Lead Off Exchanges and Upgrades May 21-Oct 31

- Victim Notification
- Warrants
- Order of Protection
- KRIMS
- Charges
- Mittimus
- ACRS

## PHASE II – Sheriff/IDOC Sept 3 – Dec 21

- Sentencing Feed & prisoner information from CCSO to IDOC
- Defendant info for return to County Court proceedings

## PHASE III – Bond Court Exchange Dec 4– April 13 2019

- Arrest data for Arrestee being transferred from CPD to CCSO
- Updated Arrest Information being forwarded on to the CCC
- Updated Arrest Information being forwarded on to the OCJ
- Updated Arrest Information being forwarded on to the SAO
- Arrest Report being forwarded from SAO at the right time to the PD

## PHASE IV – Clerk Postliminary March 11 – Aug 30 2019

- TRIMS
- CPD Arrest data
- Clerk Disposition data
- Driver's License Suspension
- Case Disposition ISP
- Warrants to FBI
- Clerk Shared File Service



# Automated Court Reminder Notification System

## Scope Statement

The system will send reminders to individuals who are scheduled to appear in court using a variety of methods, including calls and text messages. The project includes Bus data exchanges between the Public Defender, Clerk of the Circuit Court, Sheriff and the Chicago Police Department's CLEAR application (Citizen and Law Enforcement Analysis and Reporting).

## Project Completed

- Calls - ESB went live 11/2017
  - Interactive Voice Response (IVR), automated calls started going out 12/2017
- Texts - ESB went live 3/2018 for SMS ACRS
  - Automated text alerts about court dates



# Automated Court Reminder: Current Activities

- After confirming the vendor limitations to suppress the valid phone number, reviewing options to send automatic response to any user text replies
  - Advising that ACRS is an automated system
  - Referring support requests to Court communications received
- Reviewing reporting options for key performance indicators with OCJ and CCC



# Electronic Mittimus

## Scope Statement

The Electronic Mittimus (eMitt) Exchange includes activities to re-engineer business processes of the Cook County Sheriff's Office (CCSO) and the Clerk of the Circuit Court (CCC) to achieve timely receipt of eMitt data from CCC to CCSO. The primary objective is to mitigate the risk of unlawful or delayed releases from the Cook County Jail and support the timely releases of discharged detainees.

## Project Completed

- ESB went live with eMitts 12/2017 and the Sheriff started accepting it into their JMS and added it to their daily Operations 12/2017





## Electronic Mittimus: Current Activities

- Process refinement and review with Sheriff, Clerk of the Circuit Court, Office of the Chief Judge, and BoT
- Continuous improvements will be made to the system as needed
  - Single eMitt for multiple dispositions
  - Page X of Y functionality
  - Reviewing disposition coding schema & human data entry error



# eDefender Case Management System

## Scope Statement

eDefender is a Case Management System for the Law Office of the Public Defender. The project includes two Bus data exchanges: KRIMS for Criminal Felony and Misdemeanor cases and TRIMS for Traffic Cases.

## Project Completed

- KRIMS feed went live and began feeding Criminal Felony and Misdemeanor cases into eDefender 11/2017
- TRIMS feed went live and began feeding Traffic cases into eDefender 2/2018



## eDefender: Current Activities

- KRIMS and TRIMS data exchanges both feed cases into eDefender on a nightly basis. Exchanges consist of six files. Currently there are no reported issues and exchanges are stable. All ESB integration work completed successfully.
- Hundreds of Public Defender's Office staff have been trained on use of eDefender and are using the data provided by the KRIMS feed
- Pilot group has been using the data for the TRIMS feed and remainder of Traffic group is scheduled to be trained 6/2018
- Project has moved into Phase 3 converting the PD's legacy LegalEdge system



# CCC Exchanges: Current Activities

## Phase 1: Clerk of the Circuit Court (CCC) CMS Data Exchanges

- Kickoff meetings held with SAO, Sheriff, Court, and OCJ to discuss Phase one exchanges
- Project team in process of reviewing business requirements and data mapping
- Project in process to be deployed **3/2019** alongside Criminal Phase One Go-Live for Tyler Odyssey case management system

## Phase 2: Sheriff to IDOC

- BoT staff including Solution Architect met with Sheriff and Illinois Department of Corrections for discovery sessions
- Project planned to start **9/2018**



# Cook County Circuit Court Data Exchanges

## Scope Statement

The scope of this phase is to implement data exchanges for the Court's new Odyssey case management system which includes integration to multiple source systems. Although there are approximately 25 interfaces only 10 to 15 will be used for the ESB. The scope for exchanges are as follows:

- Criminal Division data exchanges are in scope
- All current-state Point-to-Point data exchanges are being reviewed to determine reuse and the use of NIEM standards
- All non-county agencies will be connected to the ESB, and data exchanges are implemented onto the ESB



# Sheriff to Illinois Department of Corrections Data Exchange

## Scope Statement

The scope of this phase is the development of a data exchange between the Sheriff's Office and Illinois Department of Corrections (IDOC). The data exchange is to send data for detainees being transferred from Cook County Department of Corrections to the Illinois Department of Corrections.

- Electronic data could speed up the processing of new inmates by reducing the reliance on paper documents.
- By reducing the time for the intake process, it would also greatly improve the safety of the Illinois Department of Corrections staff.
- The Cook County Sheriff (CCSO) will pass information electronically via Exchange to the Illinois Department of Corrections (IDOC) when transferring inmates from their custody to IDOC
  - Reduce the time and cost overhead of prisoner transfers and prevent duplication of effort.
- When IDOC returns inmates to the custody of the Sheriff, they will also send information pertaining to that inmate based on a Writ to appear in Court
  - Improve safety and reduce the level of effort and security involved with prisoner transfers.
- Interface developed into the Illinois State Police LEADS system to share data with ESB members



# Bond Court Exchanges

## Scope Statement

Several agencies participate in the Bond Court process, continuously passing documents between each other. This document-sharing process prepares for a defendant to be seen in Bond Court. This project will modernize the document-sharing process by using the Bus to replace the web of various point-to-point connections. The Bus will provide a more simple, secure and robust way to exchange data.

- The Bond Court Exchanges will have a series of five Exchanges taking the initial Arrest data from Local Law Enforcement to the Sheriff
- The Sheriff will then book the Defendant in preparation for Bond court and update the Arrest information
- The Sheriff will then pass the updated information on to the Cook County Clerk of the Circuit Court, State's Attorney's Office and Office of the Chief Judge
- The State's Attorney will pass information on to the Public Defender
- Project planned to start **12/2018**