

**IDENTITY
SOLUTIONS
EXPERTS**

Client Registry for Integrated Justice Solution Overview

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Our Understanding

Integrated Justice Issues

- **PAPER:** Courts use hundreds of different forms and documents to process information through various stages of the system (disclosures, pre-trials, pleadings and evidence, exhibits, rulings, and judgments)
- **CHOKES POINTS:** Numerous 'choke points' exist within current processes and increase time to trial costs
- **HIGH COLLAPSE RATES:** Poor alignment between available judicial time and cases ready for trial lead to significant under-utilization of available judicial time increasing judicial stay of proceedings
- **DUPLICATE RATES:** The duplicate rates in RMS systems impede investigations and overall case management

Master Data Management (MDM)

- MDM is an approach/technology platform allowing enterprises to:

Match and Link Citizens in real-time across many systems using both deterministic and probabilistic algorithms (accommodates “dirty” data)

Keep individual department systems intact and only share an agreed upon set of Client information in a highly secure “Registry”

Create a “Golden Record” – a single view of a Citizen across all departments and organizations and longitudinally over time.

Provide multiple “Views” of the Golden Record based upon Rules

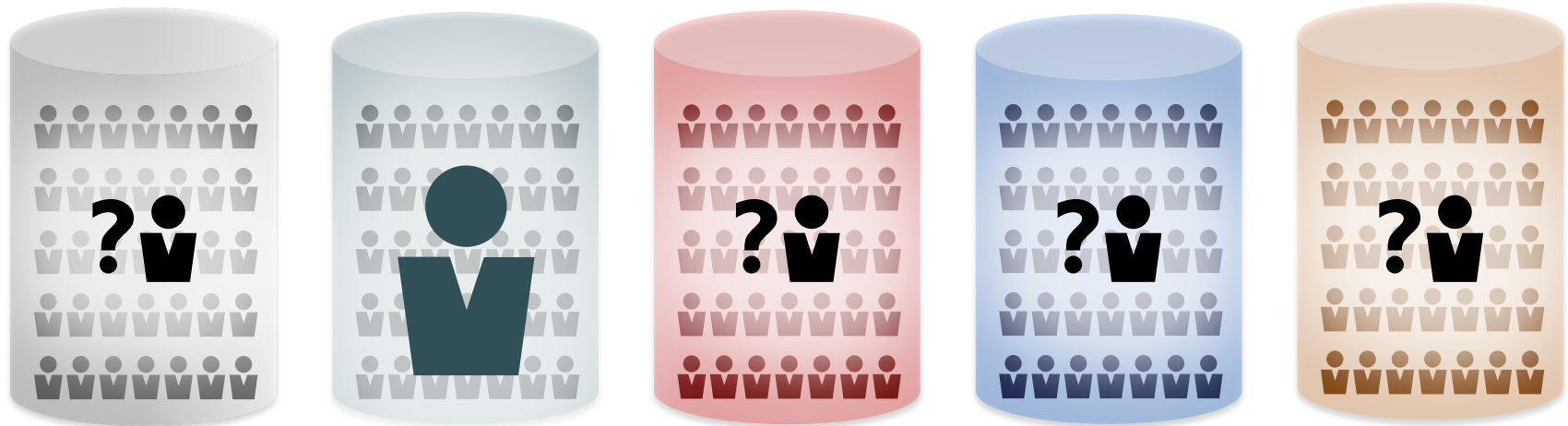
Provide responsible Data Stewardship and enforce Data Governance

Build Alerts and Notifications into new Business Processes (e.g. A citizen has records across X systems)

IMT is a Gold IBM Software Business Partner and uses the IBM InfoSphere MDM Platform to build secure Identity Registry Solutions.



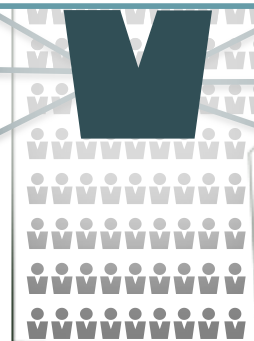
Government Centric View



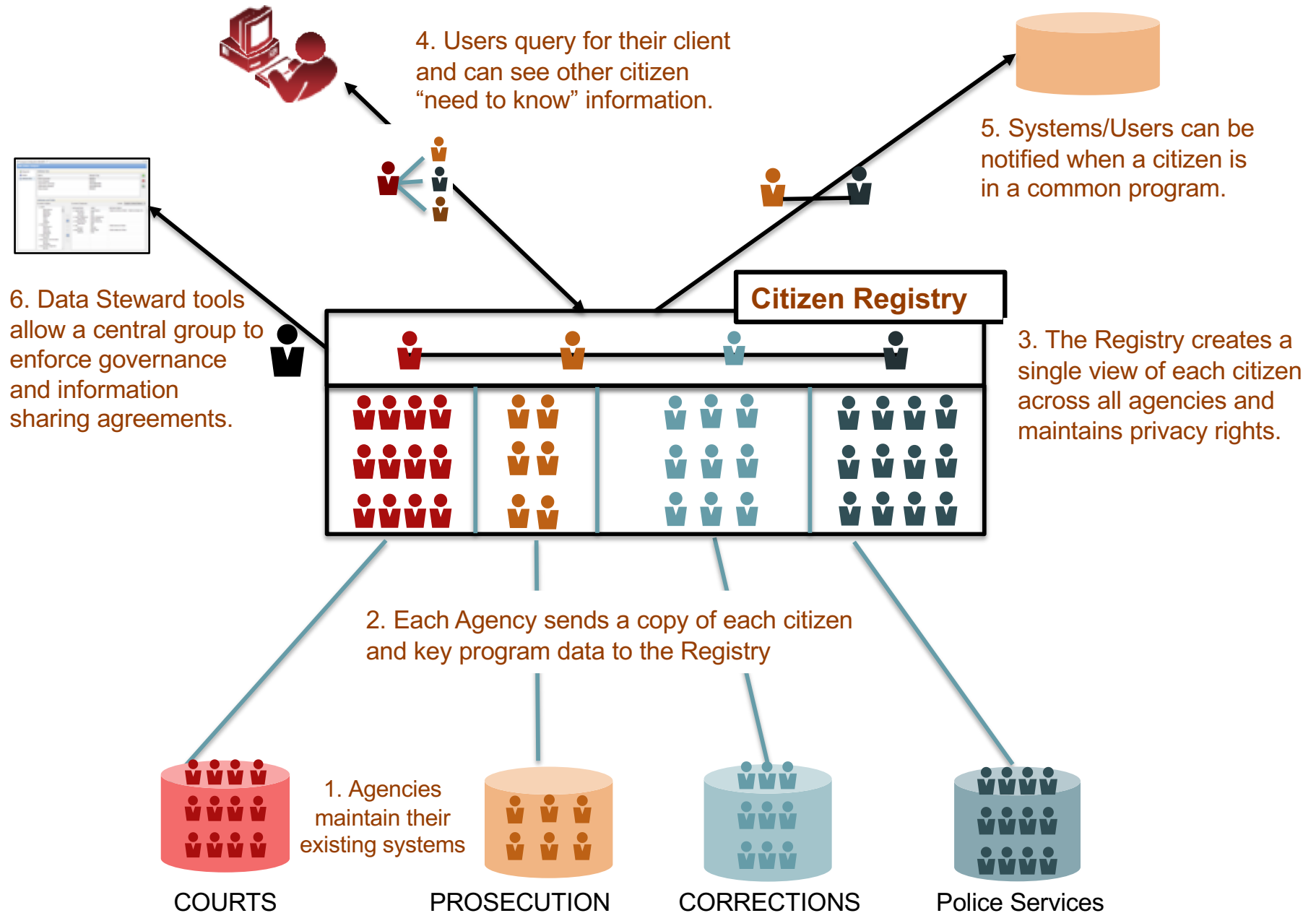
8 Provinces currently use a secure
“Client Registry” as the foundation for their
Electronic Health Records

All use the IBM MDM Software Platform

IMT has been involved in all of these



Integrated Justice using Master Data Management



Proposed Citizen Registry Solution

Investigative Analysis Linkages

Problem: Law enforcement information exchange

Record Management Systems (RMS) do not possess sophisticated internal identity matching resolution capabilities and are prone to significant errors.

- *Duplicate records impede investigations by not presenting the most complete and accurate information about a suspect or an offender for pretrial and post trial activities.*
- *Police forces should share intelligence, observations, reports and suspicions. This requires a sophisticated matching & linking solution that can span multiple systems.*

Citizen Registry for Integrated Justice Solution

The IMT Citizen Registry is built on IBM's InfoSphere Multi-Domain MDM infrastructure which forms the foundation for many of the most sensitive and confidential Registries in the world.

The IMT Citizen Registry employs the "Gold Standard" Initiate algorithms for deterministic and probabilistic linking and matching. This has proven to build stakeholders confidence, TRUST and adoption in Registries built today.

Proposed Citizen Registry Solution

Agency Information Sharing

Problem: Lack of interoperability across agencies and departments

Better information sharing enhances public & police safety, improves accessibility and responsiveness, and reduces inefficiencies and delays.

- *Adult and youth criminal cases need to be tracked and processed from initial police arrests and Crown counsel charge assessments through to court judgement.*
- *Need to measure crown and police charging practices, the use of stays, withdrawals and dismissals, the distribution of offences, and the efficacy of various forms of alternative measures programs*

Citizen Registry for Integrated Justice Solution

The IMT Citizen Registry has been built with a robust integration layer that acknowledges and addresses the legacy data and disparate systems issues.

The Master Data Management platform in the Citizen Registry provide high-quality real-time linkages & relationships for powerful reports & analytics.

Think Big Data (e.g. Recidivism)

Proposed Citizen Registry Solution

Data Governance & Privacy

Problem: Unlawful disclosure

Disclosure of information to the wrong people could compromise personal safety, and the integrity of the justice system.

- Reports to Crown Counsel (RCCs), contain details of police investigations, witness 'will say' statements, witness and victim contact information and charge assessments.

Citizen Registry for Integrated Justice Solution

Controls for detecting or preventing unauthorized disclosure are included as part of the IMT Citizen Registry solution – ensuring that requestor and content are in compliance with existing data sharing agreements.

Data Stewardship tools are built into the IMT Citizen Registry to enforce data governance regulations and build a high degree of data integrity. This promotes transparency, enables business insight and builds TRUST in the Registry.

Proposed Citizen Registry Solution

Charge Assessment Processes

Problem: Inadequate police reports

- Significant court delays & stays from inadequate police reports and unprovable charges
- Evidentiary threshold of substantial/reasonable likelihood of conviction (evidentiary test)
- Consideration of public interest factors

Citizen Registry for Integrated Justice Solution

A rich and flexible Business Process Manager is provided in the IMT Citizen Registry which facilitates essential cooperation and effective communication between Crown Counsel and the police.

Processes can be quickly created and modified to support specific business requirements of who, what information, what access and security credentials, what conditions, what approvals, etc.

Proposed Citizen Registry Solution

Remand Use

Problem: Disproportionate use of remand/pre-trial detention

- Correctional costs are increased for managing the population
- Correctional costs are increased for unpredictable # admitted to custody on remand
- *“A high percentage of people who had been remanded in custody went on to be either acquitted or given non-custodial sentences.”*

Citizen Registry for Integrated Justice Solution

The IMT Citizen Registry provide the most complete, accurate and timely information on the accused across all levels of the Justice system enabling the creation of a release plan without restrictive conditions that will likely result in additional charges and possibly a remand to detention order.

The Citizen Registry facilitates multi-agency partnership working to hold defendants in compliance and effective data feedback from providers to the courts, ensuring courts have confidence in the use of the service.

Proposed Citizen Registry Solution

Lean Principle

Problem: No appetite to replace existing systems

- Systems might be antiquated and “brittle”
- In-house expertise is stretched
- Custom reporting and workflows are built on existing systems

Citizen Registry for Integrated Justice Solution

IMT has deployed over 100 Registries based on IBM's InfoSphere Multi-Domain MDM – we have seen it all and are not stumped yet.

Deployments are fast – typically 90-270 days.

Legacy systems investments are retained – and leveraged.

IMT offers an “Appliance” model for the Citizen Registry – providing software, hardware, configuration, 3 yrs support & application maintenance all-in-one.

Integrated Justice - Extending the Solution

Content Analytics

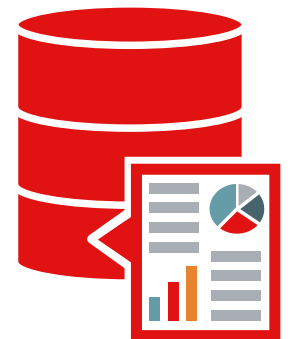
- Typical organizations use only 12 percent of their data, leaving a wealth of untapped information across the enterprise that could be leveraged to make critical decisions
- Content analytics brings cognitive capabilities to users to find and understand contextually relevant information they need to work more efficiently and gain more insights from both structured and unstructured content
- Realize your objectives of building information-centric applications, and improving the quality and speed of critical decisions
- Pre-packaged annotators for easy entity extraction and augmentation of citizen definition



Integrated Justice - Extending the Solution

IBM SPSS Predictive Modeling and Analytics

- Utilize evidence-based practices aligned with a predictive analytics engine to predict outcomes sooner, and with a high degree of confidence.
- Utilize program assessment to increase accuracy of predicting outcomes before placements occur.
- Provide real-time forecasting insight to executive management in a format that will drive high utilization and supports today's social paradigms (i.e. stoplighting, alert notifications)
- Discover deeper meaning in new data sources (like unstructured case worker files) through advanced pattern and trend analysis.



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Thank you!

