

Distributed Digital Dossier: Completeness, Consistency and Security

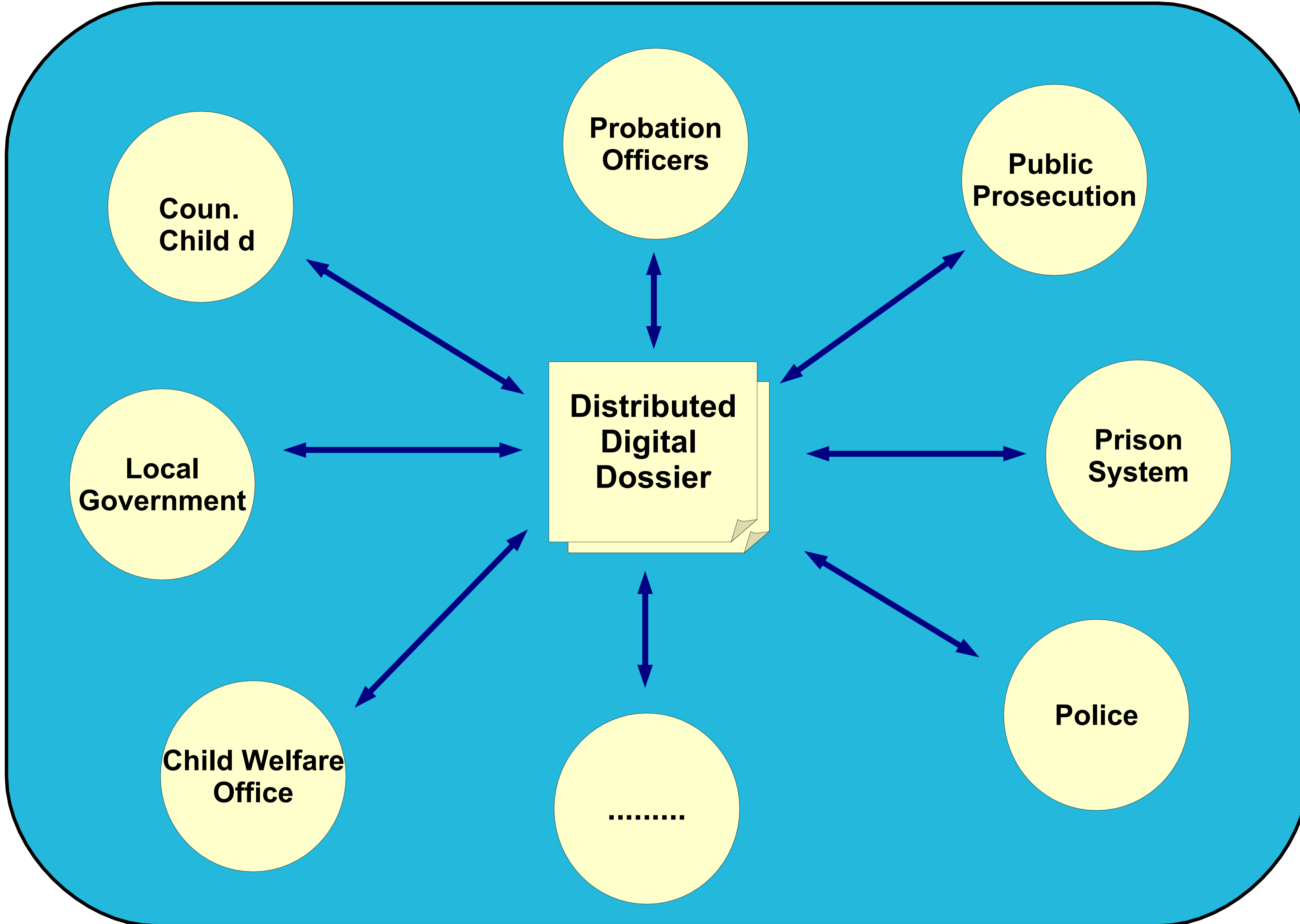


IIDS Intelligent Interactive Distributed Systems

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Distributing Digital Dossiers:

Each dossier has (1) meta-data stored by the Public Prosecutor centrally, (2) content, data stored by the authority responsible for its correctness is distributed across different organizations.

Advantages:

- Local policies wrt local data can be regulated by local authorities
- Global access regulated by dedicated agents
- Content remains up-to-date by delegated agents.

Completeness

- Classification on the basis of offense
- Offense-determined mandatory information
- Other optional offense-related information

Consistency

- Focus on internal consistency of records
- Fuzzy matching used to identify inconsistencies



Security

- Agent platform security
- Integrity of data and communication
- Role Based Access Control
- Backups
- Accountability



Legal constraints make the project especially challenging with respect to identity and integrity management

