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Distributed Digital Dossier: Completeness, Consistency and Security

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Distributed Digital Dossier: Completeness, Consistency and Security

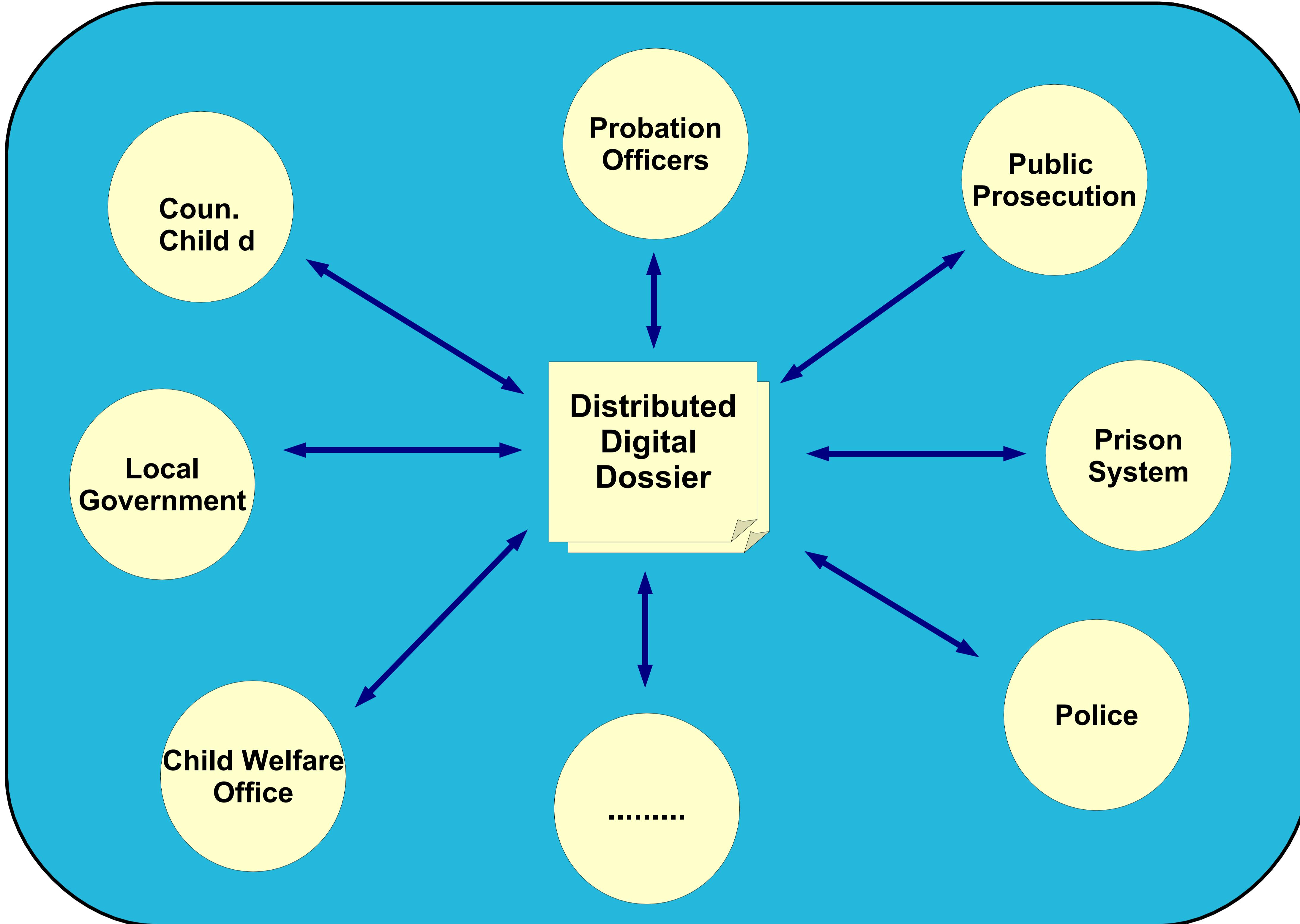


IIDS Intelligent Interactive
Distributed Systems

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www.iids.org/access

vrije Universiteit amsterdam



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**



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

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**



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