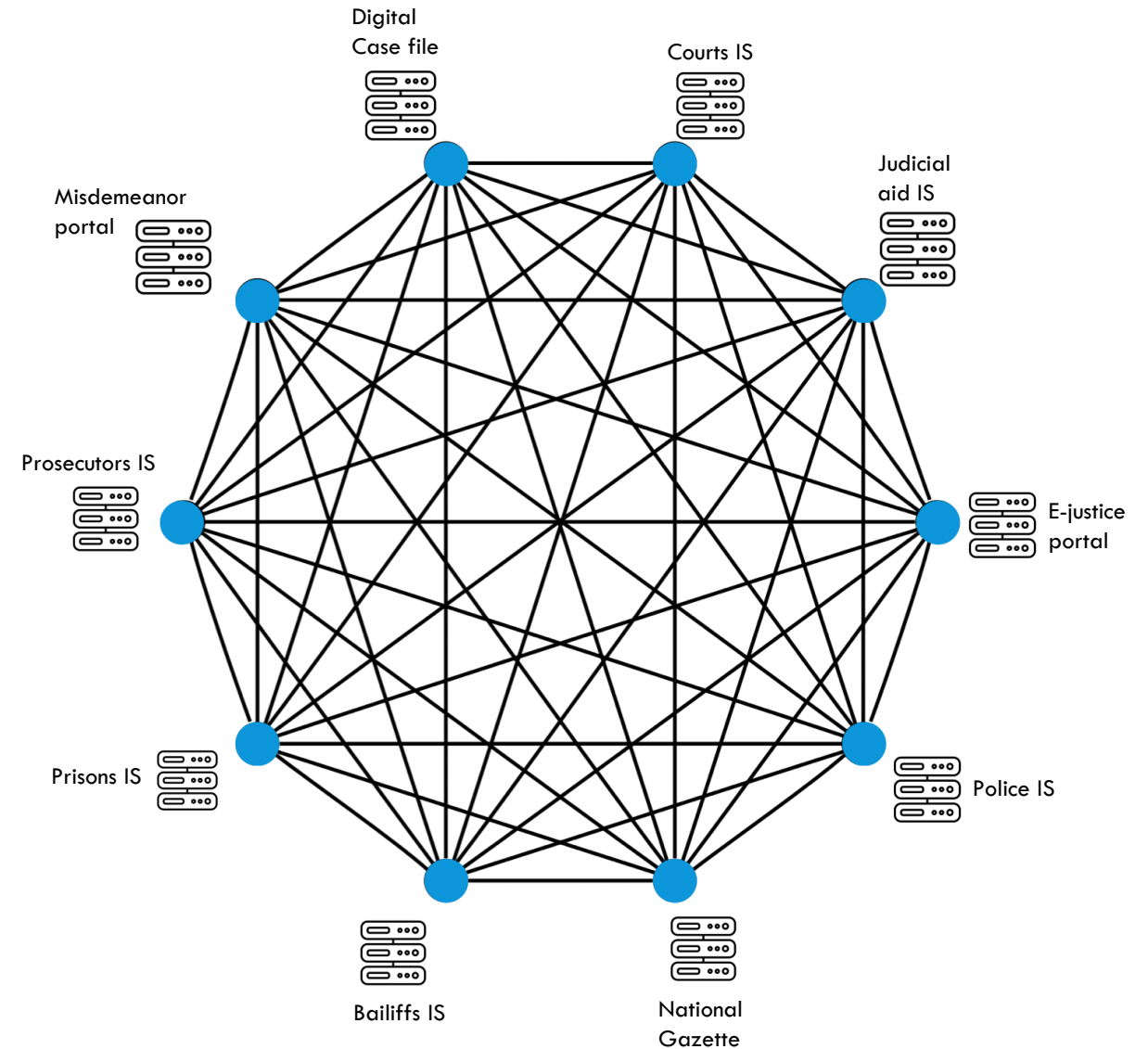E-FILE | RIK
Centre of Registers and Information Systems

BEFORE E-FILE

Problems

- Different logics for gathering data, different business rules

- Multiple data entry

- Bad data quality

- No immediate access to procedural data by all parties to the proceedings

- Lack of cooperation in the field of the information systems' development and implementation

Digital Case file

Courts IS

Judicial aid IS

Misdemeanor portal

Prosecutors IS

E-justice portal

Prisons IS
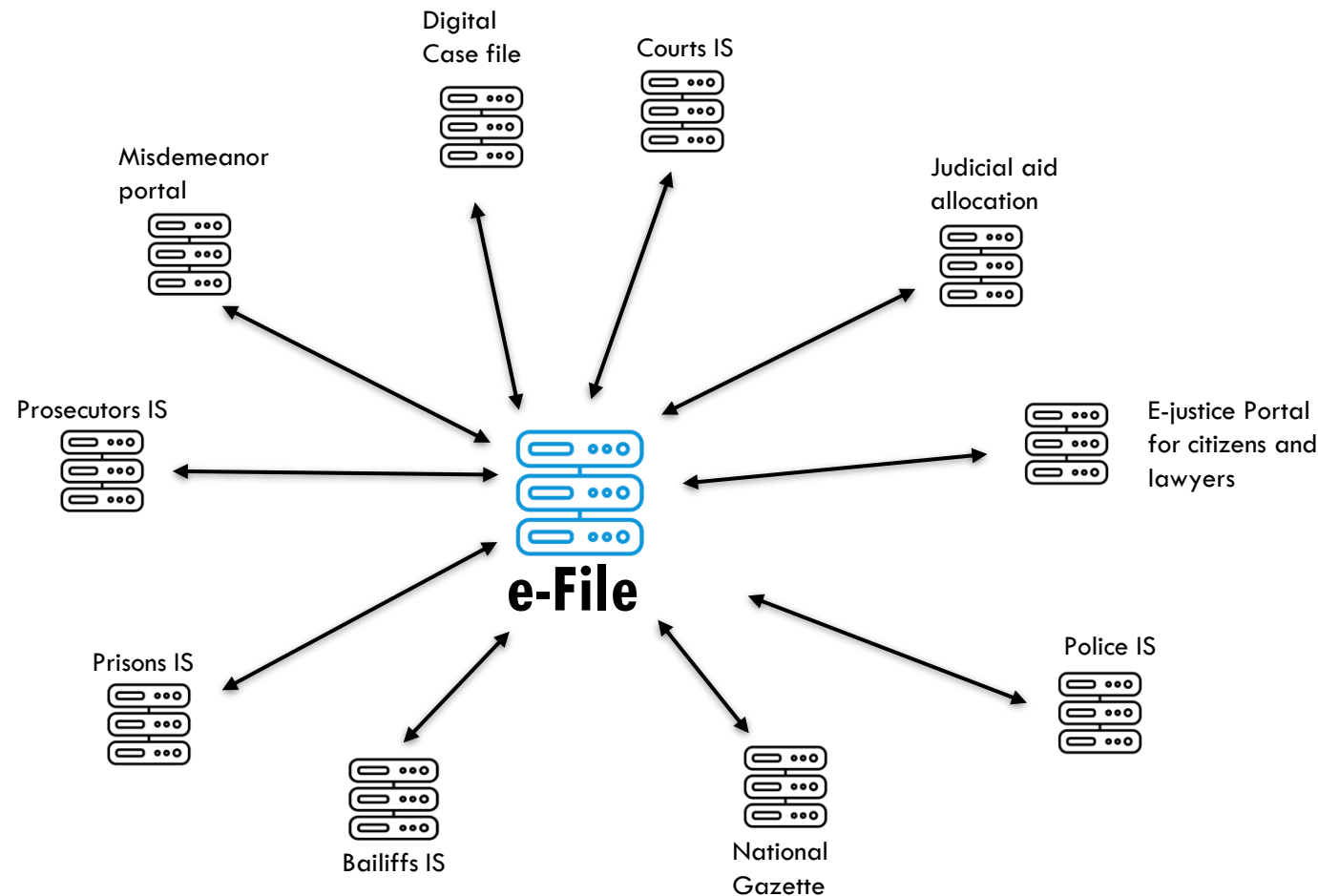
Police IS

Bailiffs IS

National Gazette

HISTORY OF E-FILE

- **2004-2005** - Analysis of the E-File project

- **2005** - Start of the e-File project

- **2009** - Launch of the e-File for criminal cases

- **2011** - Launch e-Justice Portal for citizens and lawyers

- **2012** - Launch of Criminal Records database (part of e-File)

- **2014** - Launch of e-File for civil and administrative cases

- **2017** - legal validity given for certain types administrative cases

- **2022*** - All procedures with legal validity also on electronic data

E-FILE – CENTRAL CASE MANAGEMENT SYSTEM

- Over 200 services
- Nearly 3 mln queries per month
- 40 client system
- Online 24/7
- Information backed up to diferent places, including to Estonian Data Embassy
- All client systems are connected to the e-File by X-Road (X-tee).

Digital Case file

Courts IS

Misdemeanor portal

Judicial aid allocation

Prosecutors IS

E-justice Portal for citizens and lawyers

e-File

Prisons IS

Police IS
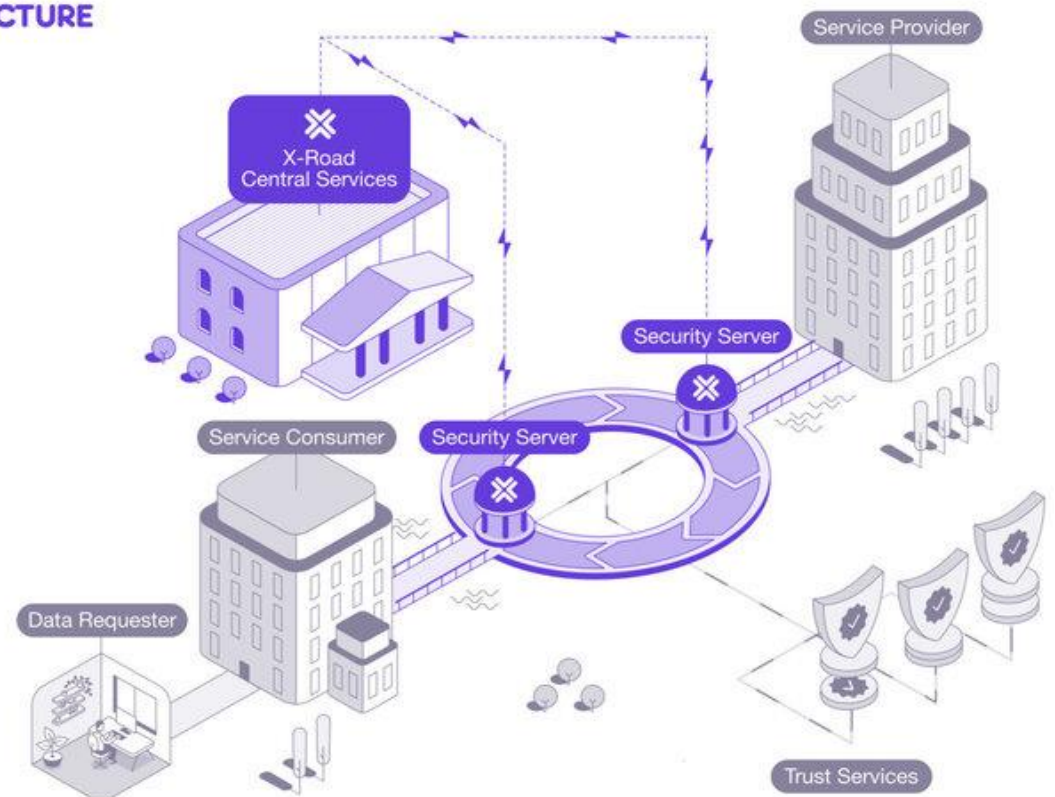
Bailiffs IS

National Gazette

X-ROAD

- X-Road® is open-source software and ecosystem solution that provides unified and secure data exchange between organisations.

- National deployment in 2001, starting from 2018 core development with Finland and Iceland.

- 3155 services can be used in Estonia via X-Road

- Almost 2.8 billion queries in 2021

- Complies with the European regulations

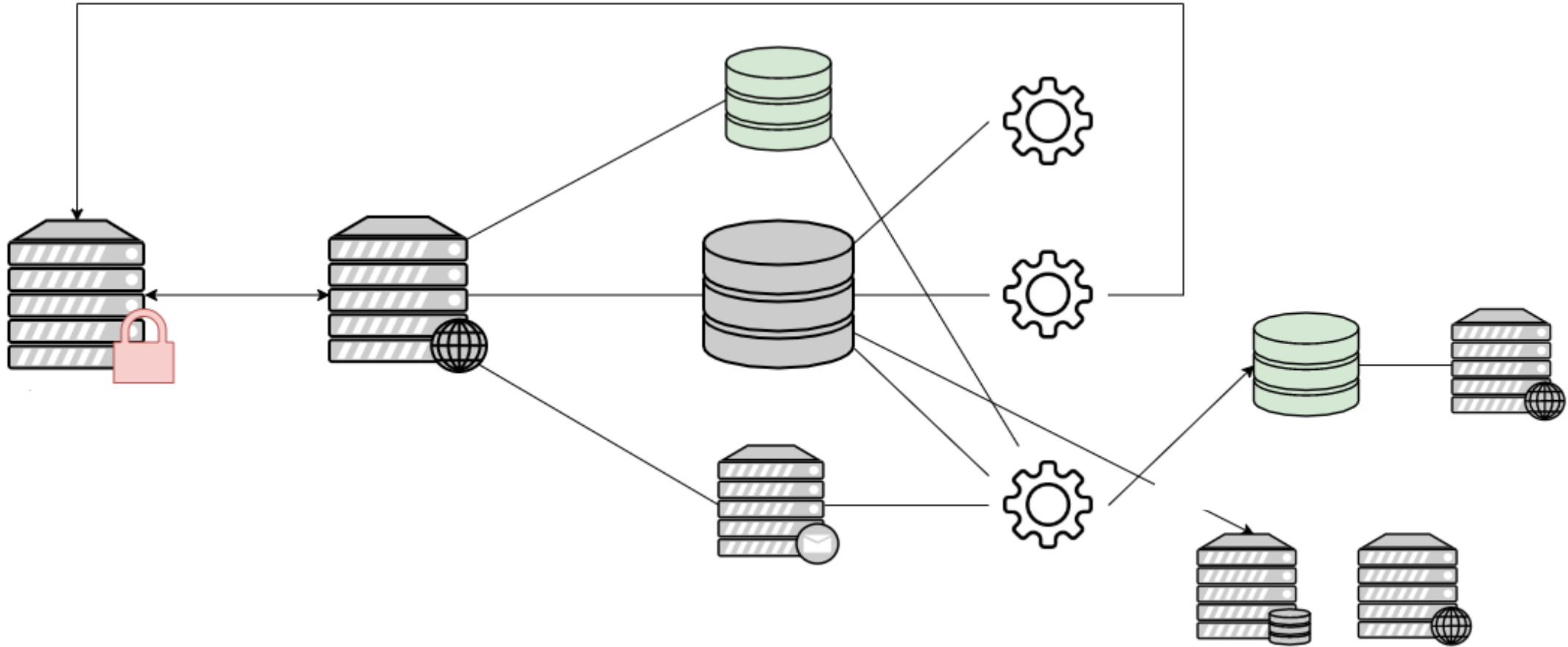- Over 2391 years of working time saved by X-Road last year

X-ROAD TECH

- Technically X-Road ecosystem consists of Central Services, Security Servers, Information Systems, TSA(s), and CA(s).

- Central Server contains the registry of X-Road members and their Security Servers.

- Security Server is the entry point to X-Road, and it is required for both producing and consuming services via X-Road.

- All the messages sent via X-Road are time-stamped and logged by the Security Server.

- Authentication certificates are used for securing the connection between two Security Servers. Signing certificates are used for digitally signing the messages sent by X-Road members.
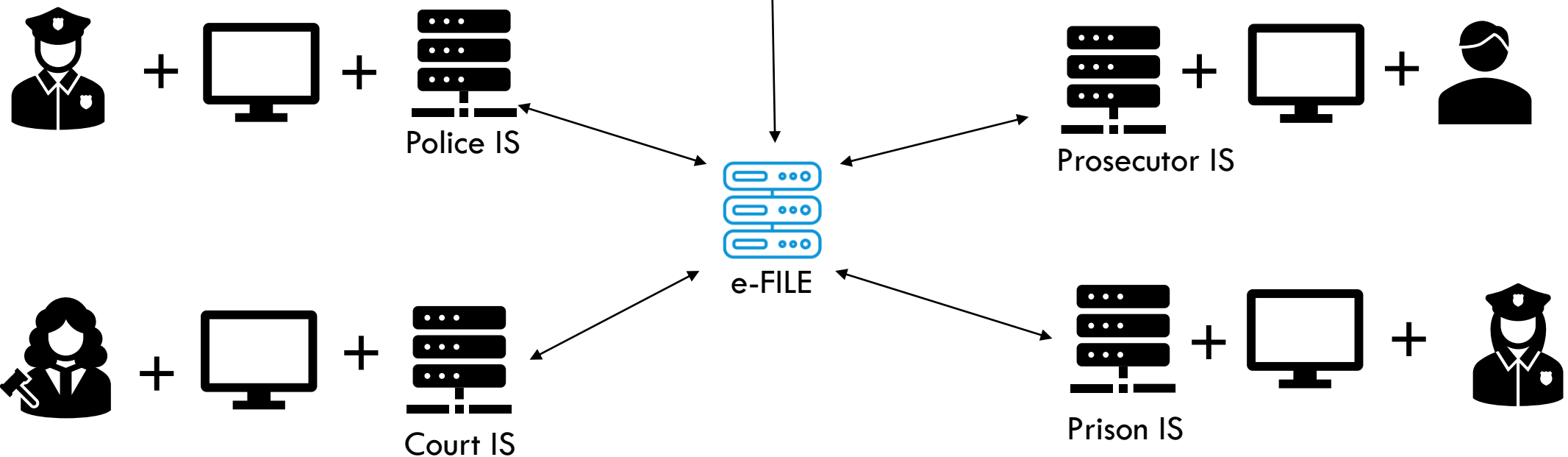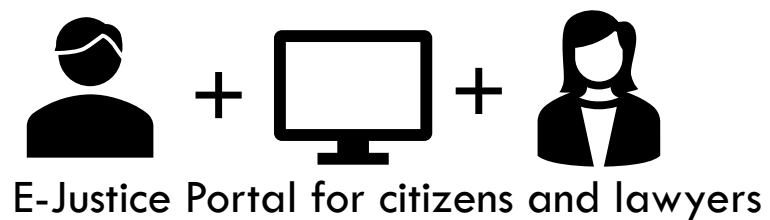

X-ROAD ARCHITECTURE

X-ROAD® https://x-road.global

WHAT'S E-FILE?

RIK
Centre of Registers and Information Systems

WHY E-FILE?

- Harmonizes business rules

- Central storage of files and metadata

- Allows general and consolidated statistics

- Provides faster and better access to data and justice

- Saves time and money

- Improved data quality

- Securer and safer than paper-system

E-FILE USE CASE

E-Justice Portal for citizens and lawyers

Police IS

Prosecutor IS

e-FILE

Court IS

Prison IS

FUTURE OF E-FILE

- BLOCKCHAIN/TIMESTAMPING – all information with legal validity would be blockchained and then timestamped

- OPEN-SOURCE PLATFORM

- OPTICAL CHARACTER RECOGNITION – all types of files in e-File would be machine readable

- NEW ARCHITECTURE?

SEEING SOLUTIONS INSTEAD OF PROBLEMS!

THANK YOU FOR YOUR TIME!