



Criminal Justice Authorities and Multi-National Service Providers: Enhancing Public-Private Cooperation in Cyberspace

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#UnitedInDiversity

Current Issues and Challenges on the Management of Digital Evidence

Which government would be the addressee of a lawful request for data by a country attacked in a cloud context?

What is the interpretation of “offering its services in a territory”?

What would be a reasonable timeframe to obtain data from a foreign authority?

Are resources available for the efficient processing of the European Investigation Order and the Mutual Legal Assistance requests at the level of local courts, prosecution and police offices?



Legal

Budapest Convention
EU Directives
(e.g. 2014/41/EU – EIO)



Cultural

Language, habits, shared practices, and abstract factors...



Technical

International / National Standards

Current Issues and Challenges on the Management of Digital Evidence



Standardise the process used in the preparation and generation of digital forensic reports is a crucial step towards producing high quality reports to:

Encourage digital forensic best practices.

Facilitate sharing and admissibility of reports across jurisdictions.

The LOCARD Project

Lawful evidence cOLlecting
& Continuity plATfoRm
Development

Toute action de l'homme, et a fortiori, l'action violente qu'est un crime, ne peut pas se dérouler sans laisser quelque marque.

Edmond Locard, La Police et Les Méthodes Scientifiques.



LOCARD presents the ultimate solution of accommodating **independent users, jurisdictions, territories** and **global regulation**, together with **high security** demands.

- 1st May 2019 – 30 April 2022
- 6,843,385.00€
- 19 partners
- H2020-SU-SEC-2018-2019-2020

The LOCARD Project

Boundaries

1- Collection of the Digital Evidence



Research on Blockchain: Studying how to support **scalability** and **efficiency** through strong policy management and smart contracts.



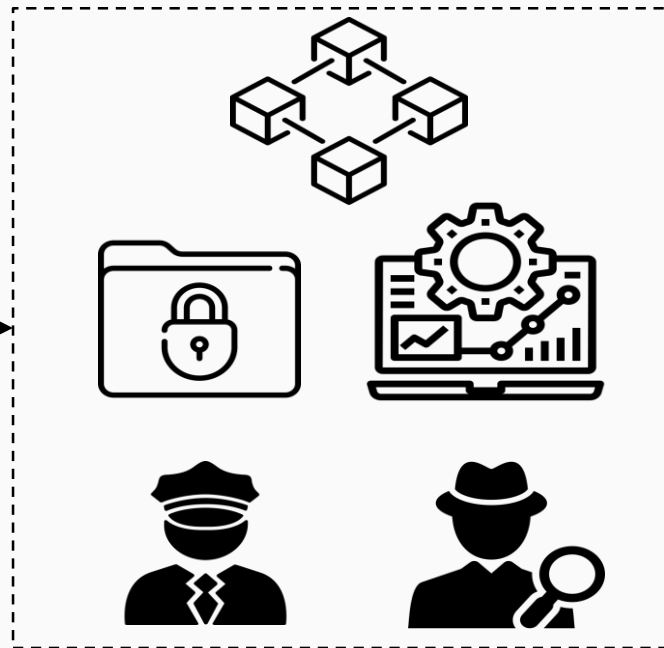
Hyperledger Fabric

3- Reporting of the Evidence



Legal-Admissibility: Follows national / international **standards, laws and methodologies** for the chain of custody

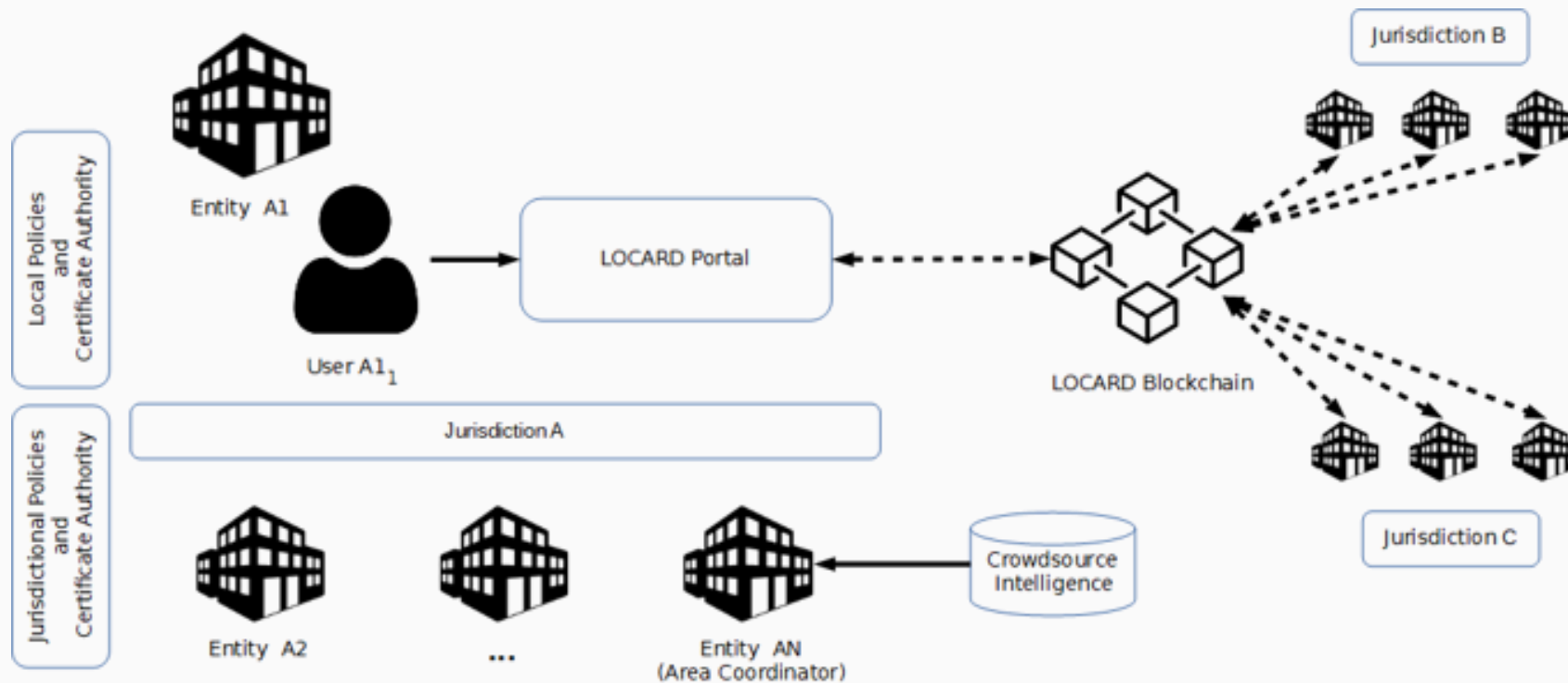
2- Identification and Analysis



The LOCARD Project

High-Level Architecture

<https://locard.eu/outcomes/public-deliverables/104-work-package-3>




Entities may have different types of users with different level of clearance.

Users will be allowed to use LOCARD according to local and identity management policies.

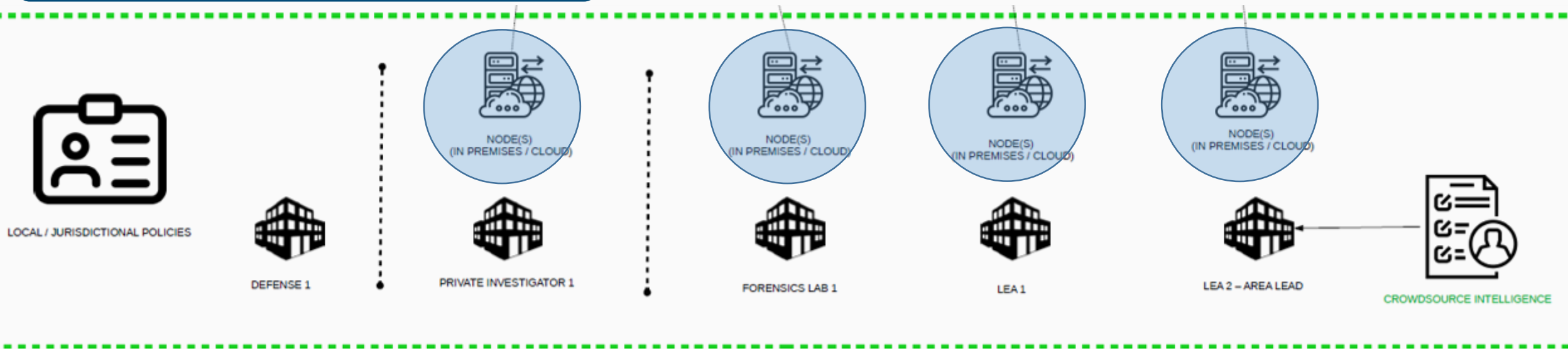
The LOCARD Project

High-Level Architecture

 <https://locard.eu/outcomes/public-deliverables/104-work-package-3>

Nodes represented inside the GREEN area correspond to blockchain nodes.

LEAD LEA: Assigned end user that will manage the crowdsourcing intelligence input cases, and will manage and distribute them accordingly between the rest of local end users or LEAs



LOCARD Timeline



Architecture and
Implementation

Testing and
Validation

M.18

M.36

M.17

M.24

Development
and Integration

Project
finalisation

LOCARD



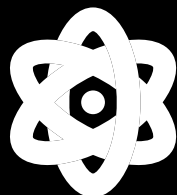
<https://locard.eu/>



Law-Enforcement
Agencies



Judicial
Authorities



Scientific
Community

- Early access to technology and public results
- Demonstration of the platform during the project
- Customization of the platform following the given feedback
- Training and webinars



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Lawful evidence cOLlecting and Continuity plAtfoRm Development

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*"La paix et la prospérité ne peuvent être assurées
que par l'union des hommes."* - Jean Monnet



<https://locard.eu>



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