

Conexión de las Administraciones Regionales y Locales al Nodo eIDAS español



Co-financed by the European Union Connecting Europe Facility

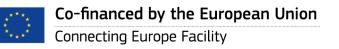
Evaluación de rendimiento de los servidores eIDAS

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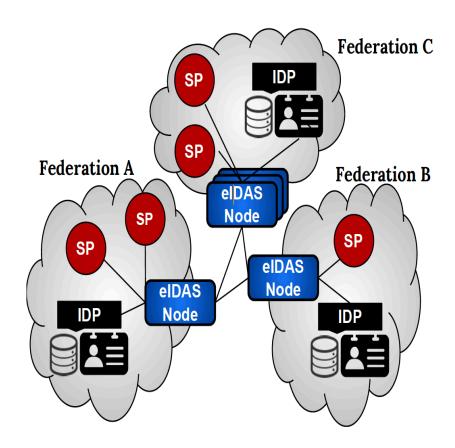
elD4Spain elDAS Federation

- Adoption of the EU Regulation No. 910/2014, the so called eIDAS Regulation.
 - The Connecting Europe Facility (CEF) has proposed an identity federation solution
- The federation solution is based in federated operators called eIDAS Nodes.
- Very ambitious approach: cross-border authentication using national eID Scheme with same legal status as traditional processes.
 - There is a need to create a trust network to perform cross-border e-Identification processes for legal persons.



elD4Spain elDAS Deployment

- A network of eIDAS Nodes being deployed at European level.
 - Each Member State is deploying a eIDAS Node.
- The national electronic identification scheme (eID Scheme) of each country is subscribed to this node in the role of Identity Provider.
- Public Service Providers participating in the network also subscribe to the node.





elD4Spain Benefits and Limitations

BENEFITS

The eIDAS Node ...

- handles attributes of natural persons (family name, date of birth, etc.)
- handles attributes of legal persons (legal name, legal identifier, etc.)

... according to the eIDAS Regulation!

LIMITATIONS

However...

- Only public services can be consumed by natural persons.
- There is no actual solution for legal persons, which are, organizations not linked to the public sector.



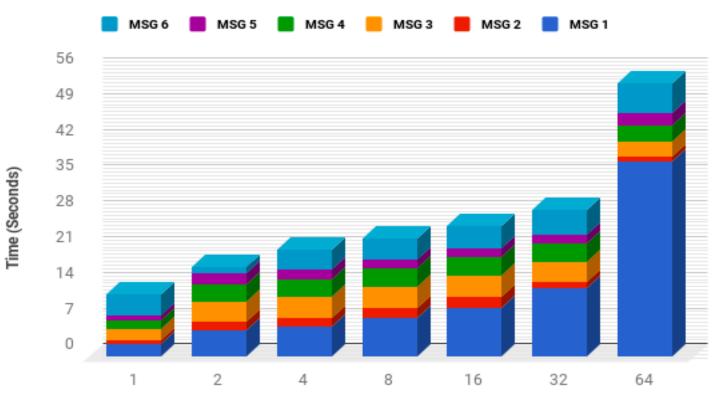
elD4Spain Server working modes

- Serial
 - One request per time

- Load balancing
 - Several replicas created
 - Requests distributed in round robin to replicas



elD4Spain Performance Evaluation of elDAS Servers



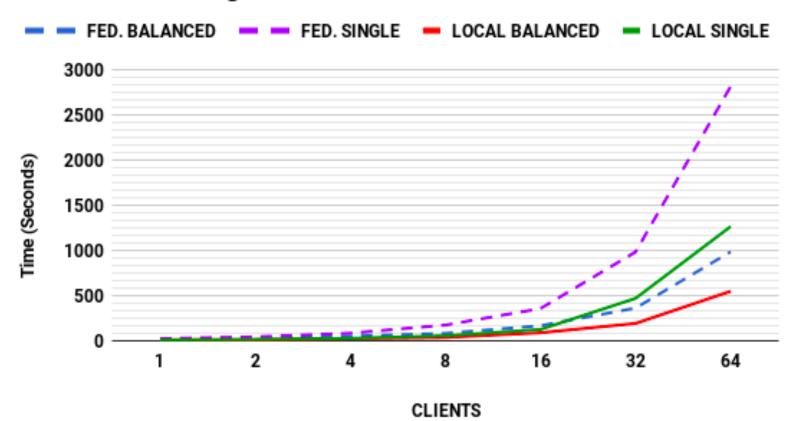
Time Per Message Type: Federation Environment

Number of Clients



elD4Spain Testing scalability using load balance

• 3000 ID requests per client



Single Server Vs Server Balanced



- eIDAS enables the identification of citizens and legal entities throughout Europe using the regulation 910/2014.
- Reduced costs of creating and maintaining eIDAS compliant software components.
- Reduced learning curve for adopters interested in taking part in the eIDAS Network.



elD4Spain Questions



Acknowledgements

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