Definitive ID – Digital identification and authentication on Blockchain
Definitive ID – Decentralized digital identity on Blockchain

- Sovereign digital identity system, based on the AlastriaID model, based on blockchain technology.
- Different technologies are used to shape the service, using as a basis the decentralization of the user identifier in a Blockchain network.

**Basic premises**

1. Easy to use and integrate
2. Secure to avoid impersonation
3. Fast and efficient
5. Compliance with RGPD.
6. Aligned with eIDAS 2, in the framework for the "European Digital Identity".
Users focus their wallet app (from the entity) on the QR shown on the web (issuer entity) and the process is triggered (credentials request).

The credentials are registered in blockchain and ready for multiple uses.
1. CREATION OF DECENTRALIZED IDENTITIES

Entity X would like to offer 3 data in your identity:

- Identity Card Number
- Driver’s license
- Legal age

- No user’s personal data can be stored in the public Blockchain, none, not even encrypted.
- The Enrollment process in Blockchain must generate a universal identifier for the user (DID), this identifier must be recorded in the blockchain, so that it is invariable over time and no one can manipulate it.
- From the user identifier there can be no inference of user data.
- The user password matching process must be performed from a network node, but the password cannot be stored in the network, not even its hash.
2. USE AND EXPLOITATION OF CREDENTIALS

PRESENTING CREDENTIALS > USERS TO THIRD PARTIES

Entity Z wants to ASK for 2 data on your identity

- Identity Card Number
- Legal age

2AF: QR as KEY

2AF: Mechanism for unprotection of the mobile phone

Presentation
Definitive ID – Decentralized digital identity on Blockchain

- Blockchain: With the Alastria Network, the main network in Spain, a public network, the existence of Smart Contracts allows certain business processes to be carried out in it.

- The system will have created and deployed in the network a Smart Contract that will allow the creation of users against this contract, each user created will be an instance of execution of the contract.