INCOGNITO

IdeNtity verifiCatiOn with privacy-preservinG credeNtIals for anonymous access To Online services

MISSION

The overarching goal of INCOGNITO is to combine state-of-the-art technologies in a platform that allows users to easily understand what is needed to access online services with respect to their privacy and be able to prove specific attributes of their identity or their whole identity.

APPROACH

INCOGNITO is an innovative and state-of-the-art platform, the foundations of which revolve around the users' privacy. The approach to achieve that includes utilization of:

- Qualified Anonymity
- Identity Acquisition and Management
- User-friendly environment
- Blockchain Technology

- Natural Language Understanding
- Trusted Computing
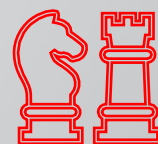
Motivation

Identity fraud is an emerging cybersecurity problem that Online Service providers have to face. To counter the increasing threat, users are asked to reveal and prove their full identity using a variety of personal data and documents.

At the same time, Service Providers must be GDPR-compliant, which effectively means that they should not sacrifice privacy in the process.

Currently, online identification schemes do not allow for a fine-grained treatment of identity attributes, obliging users to reveal their full identity.

Users have in their possession multiple proofs of identity, but there is currently no integrated infrastructure for providing them without revealing their full identity.

Since users maintain accounts, a solution to the classic identity fragmentation problem is to facilitate the proof of common ownership of accounts and transfer reputation scores across identity realms.
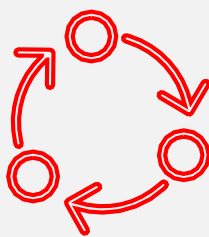
Main Goals

Infrastructure that Supports Qualified Anonymity to ensure unlinkability and untraceability of the users' activities

Identity Acquisition and Management Platform that allows the users to quickly and securely Acquire Identity Attributes from Physical ID Documents and Online Identities

Advanced UI/UX AI-based Assistant that guides and informs the users about aspects of their Identity Management, as well as possible actions to take

Blockchain Empowered Identity Management to ensure immutability and transparency for all parties involved

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