

Concordium ID Verifiers & Issuers

Every Concordium account can be traced back to a *real life* individual or organization. This is a key, and unique feature of the Concordium blockchain.

Every Concordium account requires an **Identity Object** that has been issued by a known third party – an **ID Issuer** after a trusted organization has performed an **ID Verification**. An Identity Object is a summary containing information about the Account Holder structured in an ID schema.

A number of ID schema have been defined to manage the various kinds of information applicable to different types of Accounts. Personal accounts include name, date of birth, ID card number. Business accounts include Company Registration Number, official address and so on.

Additional schema will be added in the future to cater for other forms of Identity– schema can exist for physical devices, where

identity is defined by a hardware ID such as a serial number. These schema are published by the Foundation and coordinated through normal Concordium Governance.

Information supporting an ID verification, used prior to issuance of the Identity Object, is held alone by the ID Issuer (See separate document) in his own off chain records, but it could be that the Authorities need this.

To support this, every account is also associated with one or more **Anonymity Revokers**. Their task is assist in decrypting information related to accounts allowing authorities to identify owners of accounts, in cooperation with the Identity Issuer, and to recover all accounts and transactions related to a given user.

This process ensures the anonymity of the Account holder, but also permits a legally authorised process to be executed.

ID Verifiers

ID Verifiers are responsible for validating the identity of a user and thereby ensuring that Identity Objects created by the Identity Issuer are populated with correct information, derived from Government Issued IDs. This information will later be trusted by other users, so it is vital that they are of good standard.

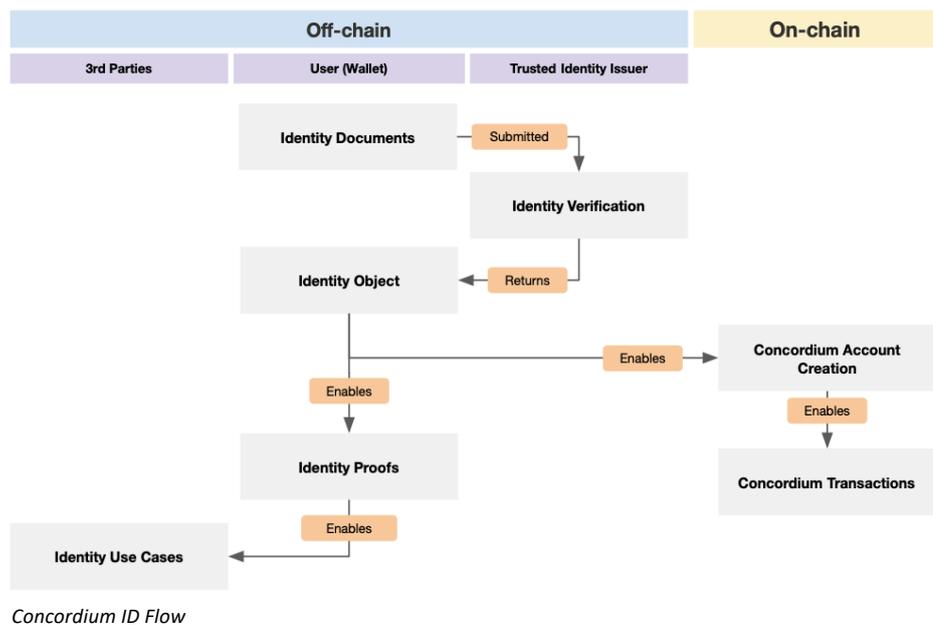
ID Verifiers, who perform the role of correctly identifying a person, organization or a thing, such as for example a car, are required to abide by defined standards – to ensure that no Accounts can be created without good practice.

There are numerous companies providing ID Verification services in the world. Some are paper based, others highly automated. There are also an increasing number of electronic National ID systems.

ID Issuers

ID Issuers provide a technical, commercial and procedural interface between the account holder on the Concordium Blockchain and the ID Verifiers. Seen from the outside the ID Issuer and Verifier(s) constitute one entity, sometimes denoted the **Identity Provider**.

The ID Issuer is responsible for storing the information needed to assist authorities when needed to relate accounts and transactions to the account owner.



There will be many ID Issuers on Concordium. Prospective Account holders will select an ID Issuer that matches their needs – for example, is operational in their geography, type of business. Since every user of a Concordium application needs a verified ID, we envisage a broad and profitable ecosystem of ID Issuers.

Businesses operating on Concordium will need to cover the cost of onboarding their users onto Concordium, including issuing Concordium IDs. Until the critical mass needed for ID Issuing to offer a sustainable business has been reached, the Concordium Foundation will carry the cost of the Concordium IDs. This commitment will cover issuing up to the first Million Concordium IDs.