

**BUILDING  
A SAFER TOMORROW**

# Age Verification with Web3 ID



# What is age verification?

Age verification is the process of confirming an individual's age to determine whether they are legally allowed to access certain content, products, services, or activities that have age restrictions. Based on someone's age, companies can :

- Protect minors from obtaining access to inappropriate content or age-restricted goods
- Ensure legal compliance
- Promote responsible marketing, building trust and reputation by enhancing the user experience online





PROTECTING MINORS

# Where do we need proper age verification?

- 01 Adult-only content like  
nudity and sex
- 02 Dating
- 03 Real-money gambling and  
gaming with violent content
- 04 Alcohol, tobacco and drugs
- 05 Other age restricted sales or  
advertising of goods, services and  
content





# How Concordium solves the problem

Concordium's blockchain technology with its identity (ID) layer has the potential to enhance age verification processes by providing a secure and decentralized way to verify a person's age while maintaining their privacy.



Using your eID or any other government issued ID like a passport you create a self-sovereign ID stored on your own device, under your own control, yet with trust maintained through the decentralized technology of Concordium.



The decentralized blockchain and zero-knowledge proof technology yields a completely tamperproof age verification solution yet securing your full privacy.



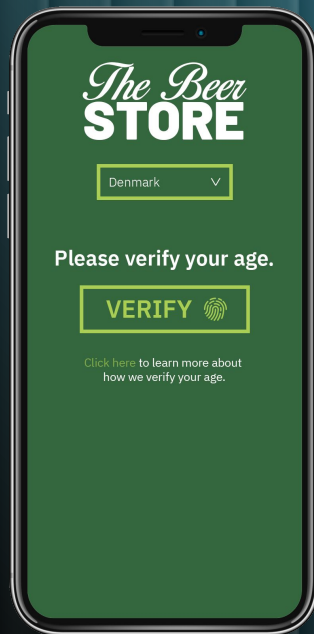
When a content provider asks you to verify that you are above a certain age, the request will be answered with a Yes or No without revealing any other information - not even your birthday.



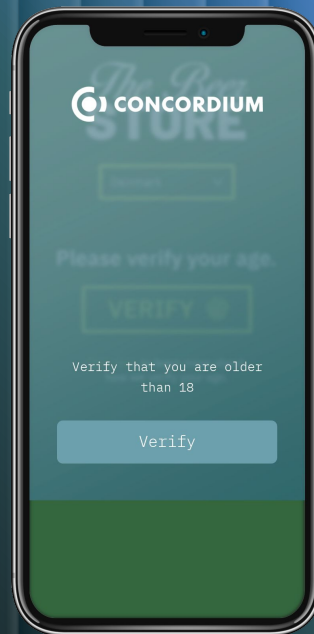
# Example of how it works

When a user connects their WEB-ID Concordium wallet, using their verified identity, the service provider can trust that they are dealing with real people whose age is appropriate to access their services/content.

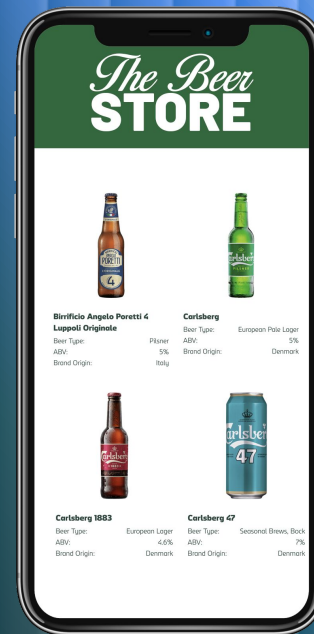
Users do not reveal any information other than that which is relevant in this context: they meet the age requirement to access a particular site.



1. Click verify



2. Connect to Web3 ID



3. Access granted





## Age verification with Web3 ID

1. By getting a Concordium Wallet you will instantly get your private and secure Web3 ID
2. Your Web3 ID is created by authenticating with an eIDAS provider such as the Danish mitID or by presenting pictures of a government ID plus a live video to an external identity provider.
3. Your private credentials are issued only to you, but anchored on the Concordium blockchain.
4. You are now in full control of your new digital identity and will be able to provide proof of age without revealing anything else - not even your exact birthdate.
5. If a service provider requests any specific information you will be able to provide it in a safe, private and secure way.



# The dangers of huge stores of personal data

GDPR encourages privacy by design. Large data stores of sensitive information should be avoided for the obvious reasons that they provide a honeypot for troublemakers.

Even more relevant in sensitive sectors, where connecting sensitive content to prominent individuals can be troubling. Politicians and Porn don't mix.

Now ZKP technology- invented by Concordium professors 20 years ago meets the immutable blockchain allowing a whole new approach to storage of sensitive information.





# Protecting online safety today

Age verification technologies, age-appropriate design and the possibilities for member states to include children in their digital identity and digital wallet schemes are part of the plan which kicks off a decade of initiatives to improve online child safety in the EU and beyond.

A new digital wallet, integrating with the National ID cards will allow citizens to store proofs and credentials

Yet even today, Concordium provides this, - we can demonstrate with our proof of concept apps so you can see that you can protect your customers and citizens today at minimal cost.

# Guaranteed to satisfy the requirements of the future



*Today, it is unclear how the European ID wallet will operate, or even when.*

*But we know a few things, and already see that Concordium will provide an amazing user and merchant experience that will satisfy the coming standards and requirements in the simplest, most transparent and highly secure way.*

*We are committed to supporting the future standards - even the tiny investment you will make today will not be wasted tomorrow*



# eIDAS



## Why existing ideas don't work

Age verifying solution	Decentralized	Verified by government-issued documents	Secure Privacy	Technology
Concordium	✓	✓	✓	Blockchain/zero-knowledge proof
PornPass	✗	✓	✗	<a href="#">Parental control &gt;</a>
Google ID	✗	✓	✗	<a href="#">Upload documents &gt;</a>
Apple ID	✗	✗	✗	<a href="#">Parental control &gt;</a>
Microsoft	✗	N/A (site specific)	✗	<a href="#">Parental control &gt;</a>



# Benefits of Web3 ID for Age Verification

## USERS' BENEFITS

### Privacy

Personal information is held on the user's device, not on centralized servers that can be hacked or used for nefarious purposes. Especially for services in gambling, porn and alcohol data leaks can be socially awkward and Concordium is the only solution that solves this.

### Self sovereign identity

The user only reveals the minimum information that is required to access the service. No name, no address, no picture.

### Decentralized

The user's personal data is not stored on any centralized server.

### Safety

No one will be able to get access to your private data unless you accept

### Ease of use

You do not need to show all your credentials online, scan your document, taking photos etc every time

## SERVICE PROVIDERS' BENEFITS

### Compliance

The provider will be 100% certain that the information received is reliable, can document this in a fully auditable way, while vastly reducing data protection issues. Compliance can be both guaranteed and assured at next to no cost.

### Security

The service provider can trust that they are dealing with real people whose age is appropriate to access their services/content

### Cost effective

With Web3 ID, service providers can significantly reduce costs associated with identification processes.



# Want to try it yourself?

If you want to experience a real time demo of the Concordium age verifying solution please click below to book a demonstration

[BOOK DEMO](#)

**Or contact us for more info**

Via website: [www.concordium.com/contact](http://www.concordium.com/contact)

Phone: +41 41 588 14 59