




Encrypted Cloud Storage &
Blockchain Timestamping
Gee-nodes on Geens.com

www.geens.com

A man with a beard, wearing a white shirt and dark trousers, is sitting in a light-colored armchair. He is looking out of a window to his right, with his hand resting on his forehead in a thoughtful pose. The scene is overlaid with a semi-transparent blue filter. On the left side of the image, there is a dark blue rounded rectangle containing white text.

“It takes 20 years to build
a reputation and five
minutes to ruin it.

If you think about that,
you’ll do things
differently.”

Warren Buffett

a highly secure Reputation System in the safe environment of IBM's Hyper Protect

It is a cloud **storage box, but also so much more:**

- + fully **GDPR compliant** storage of private data
- + safe storage of corporate data via **Geenodes** or G4B
- + fully **encrypted** (end to end)
- + **"zero knowledge"** of administrator or hosting cy
- + Allowing several **blockchain (NEM) based services**
 - Digital (self sovereign) ID and log on*
 - Timestamping of documents*
 - Activity logs ...*
- + Hosted on **IBM Hyper Protect** environment

Encrypted Cloud Storage & Blockchain Timestamping

Testimonials



Herman Van Rompuy

**First President of the European Council and former
Prime Minister of Belgium**

"Protecting our private data is in the fast expanding digital world of key importance. As trust is a cornerstone for progress, I am honored to support the initiative for an independent privacy platform and ecosystem in the geens.com NPO."



Ivo Mechels

CEO Euroconsumers

The idea to offer a 'privacy by design ecosystem' to value user profiles, to ensure privacy and fundamental rights of consumers covers a strong need in the digital era. To build this concept non-profit and non-governmental should be game changing: all user data is separated from the apps so the ecosystem will restore trust and attract better services. It is crucial that privacy and security of each consumer are respected and that consumers have full control over their data, in order to make a motivated choice."



Herman Daems

**President of KU Leuven University and the Bank BNP
Paribas Fortis**

"I am impressed with the ambition of the geens.com initiative. I have been fortunate to follow the progress of this new ecosystem. It had been built from the bottom up. It will give privacy back to the internet users. As a Chairman of KU Leuven, according to Reuters Europe's most innovative university, I want to express my strongest support and look forward to the first privacy guaranteed applications."

A highly secure Reputation System in the safe environment of IBM's Hyper Protect

Its authority = embedded in a **Non Profit Organisation:**

- + can never be owned or sold over generations
- + is fully independent
- + non corporate and non governmental
- + supervised by an Ethical Committee
- + Ethical Committee is changed every 3 years
- + with a single goal of assuring data protection and anonymity

reflecting the different "hats" in life, leading to:

1) Geens Personal vaults

= empowerment for owner of private data, decentralised thinking

= KYC via SEPA transfer of membership fee

= lifetime membership, NPO even goes "over generations"

2) Geens for Business

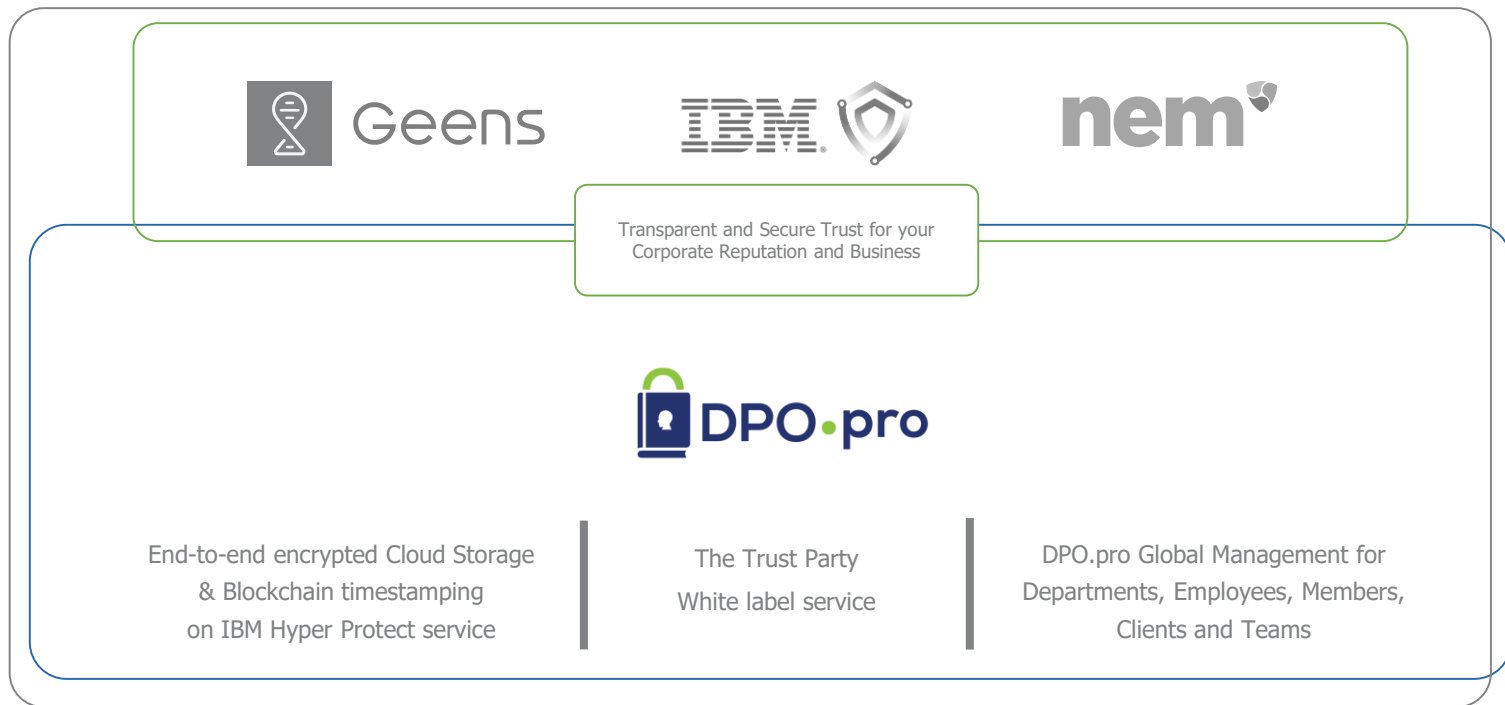
= cooperation platform for projects & small businesses

3) Gee-nodes

= delegated trust given to "large" organisations (Identity Custodians)

= the owner of the Gee-node can further distribute nodes to its clients

Gee-nodes = a delegated trust environment for large organisations with possibility to further distribute nodes to your own clients or members...with an opportunity to create resellers' margin if desired...!



“Gee-node” = white label service based on 3 solid pillars



1 Geens NPO
End-to-end encryption



2 IBM
Hyper Protect



3 NEM.io
Blockchain

What does “end-to-end” encryption in fact mean?



Neither cloud providers nor system administrators can access encryption keys. The keys and user data are encrypted and stored on server side only.

Thereby, end-to-end encrypted cloud storage providers, such as Geens, can never access or decrypt users' data. **Only encrypted data sets can be leaked (stolen or handed over to courts?) .**

The content itself - as the most vulnerable data part - stays encrypted --> so no one can read it.

Your company's private data and your clients' data will stay safe and private.



User A data is encrypted before leaving the device

Encrypted data in traffic

```
10110
01101
10011
```



Cloud stores encrypted data therefore no one can access it

www.geens.com - Genuine Privacy & Security Platform

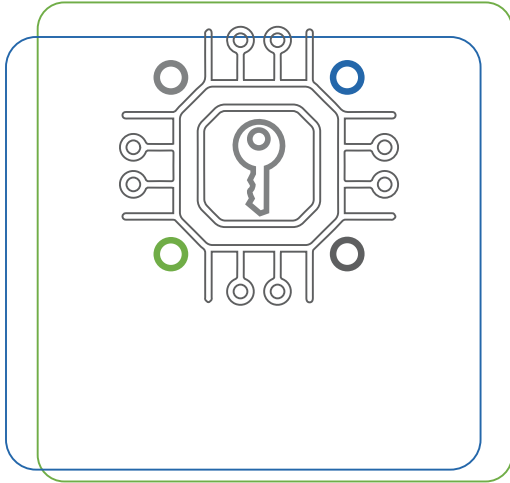
Encrypted data in traffic

```
10110
01101
10011
```



User B decrypts data on his device

How does end-to-end encryption help meet GDPR requirements?



Using the cloud is less risky with encryption

- Using cloud-based applications is **convenient and efficient** in your business, but they could create **risk or breaches of your data**.
- In order to comply with GDPR, your organization as a data collector or forwarder is **responsible for protecting the data**
- General data protection regulation distinguishes (highlights?) encryption as one of **the best ways to ensure data protection** within your organization.

White label service within IBM Hyper Protect environment...

Hyper Protect line of virtual servers

Leverage the security and reliability of **“Secure Service Containers”**

IBM Z/LinuxOne server (**Z=Zero** downtime!)

Extreme vertical **scalability**

Using **your own public SSH Key** (only you can access your code & data)

Data are stored into IBM’s global public cloud **data centers**

3 different geographically spread data centers for max. **security & redundancy**



White label service with services based on NEM.io Blockchain...

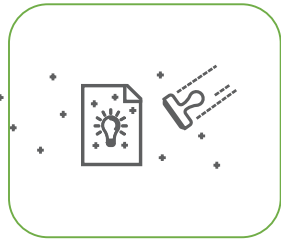


Geens NPO in partnership with NEM foundation aims to empower people to securely access services of growing digital economy.

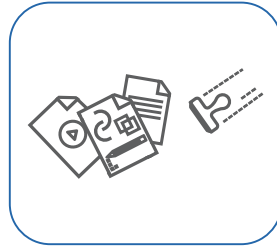
NEM Blockchain technology has the potential to change the way every industry manages its information and data. It delivers opportunities to effectively store transaction, customer, and supplier data in a transparent, immutable ledger.



Automatic timestamping of signatures for registered mails



IP: Protect ideas and content for patents



Protect copyrights: audio, visual, textual and other authentic work

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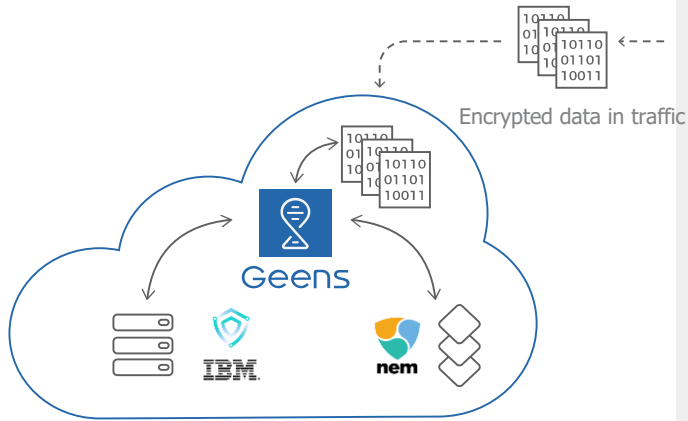


Create a proof that you have been in a specific place at a specific time

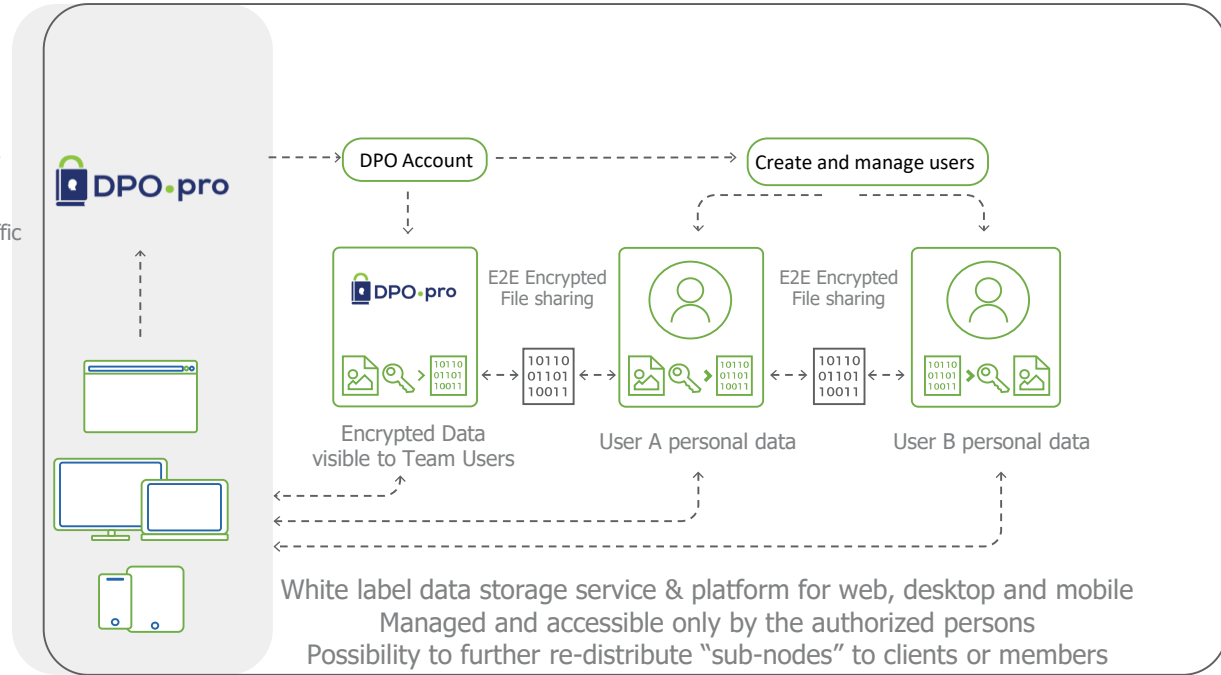


Prove that the document was signed prior to a specific date

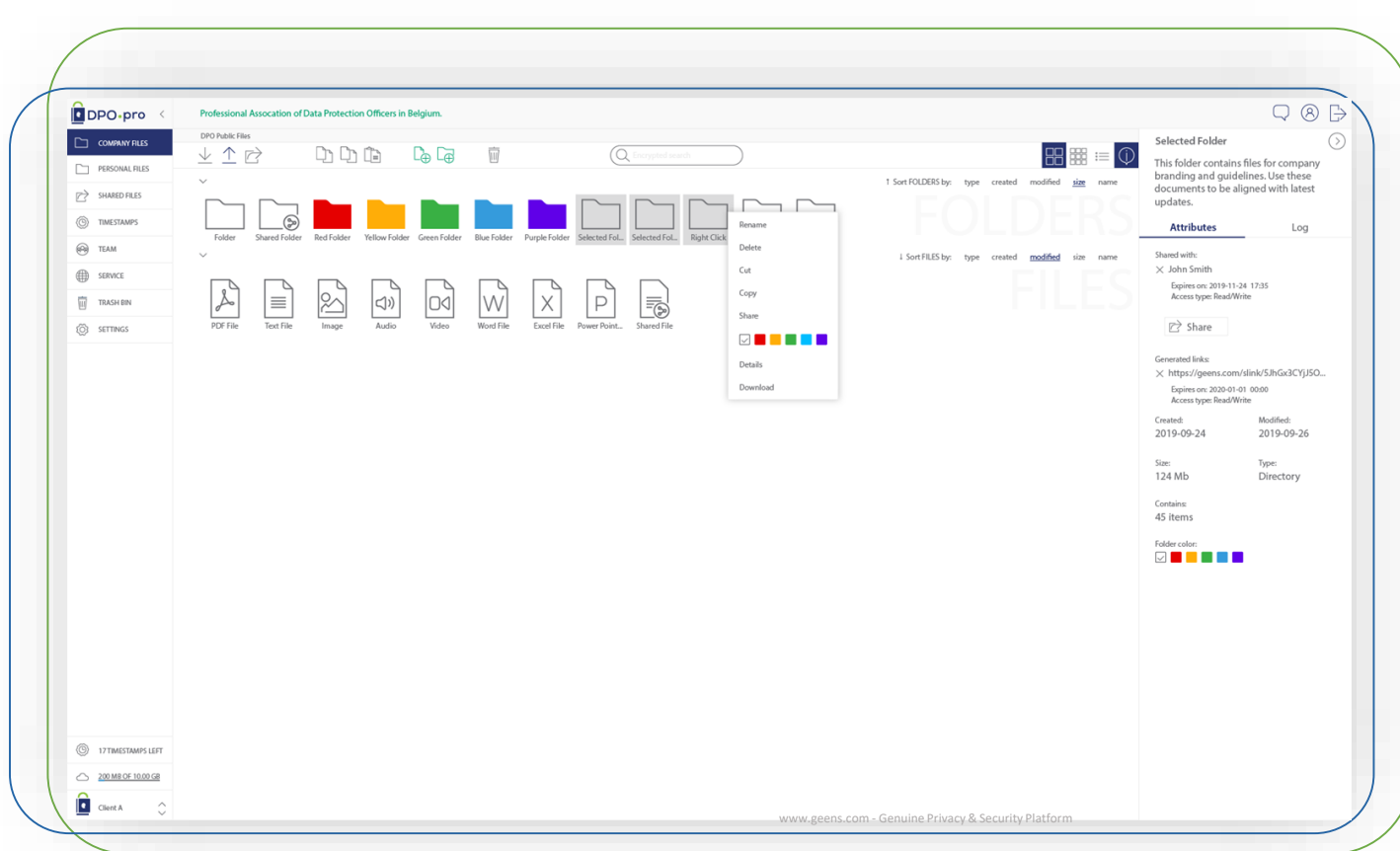
White label service...how does it work:



Encrypted Cloud Storage that can be accessed only by users, running on IBM Hyper Protect servers and timestamped in blockchain for proof.



White label service: menu & screen lay out

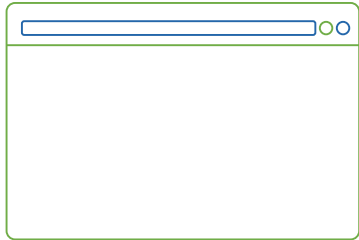


Advantages:

- White label
- Member / Client Groups
- Roles, Assignment, Permissions
- GDPR compliant
- Data Blockchain Timestamping
- Activity logs (Blockchain Timestamping for proof of existence and audit)

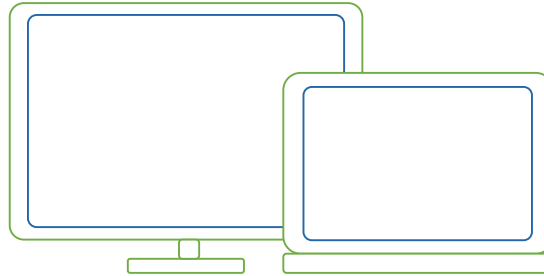
Encrypted Cloud Storage & Blockchain Timestamping

Tools



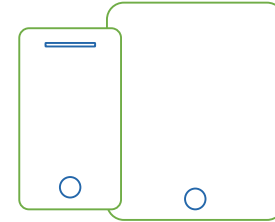
Web Application

Access from any device
with browser.



Desktop Application

Cloud sync, access and work with
native desktop apps.

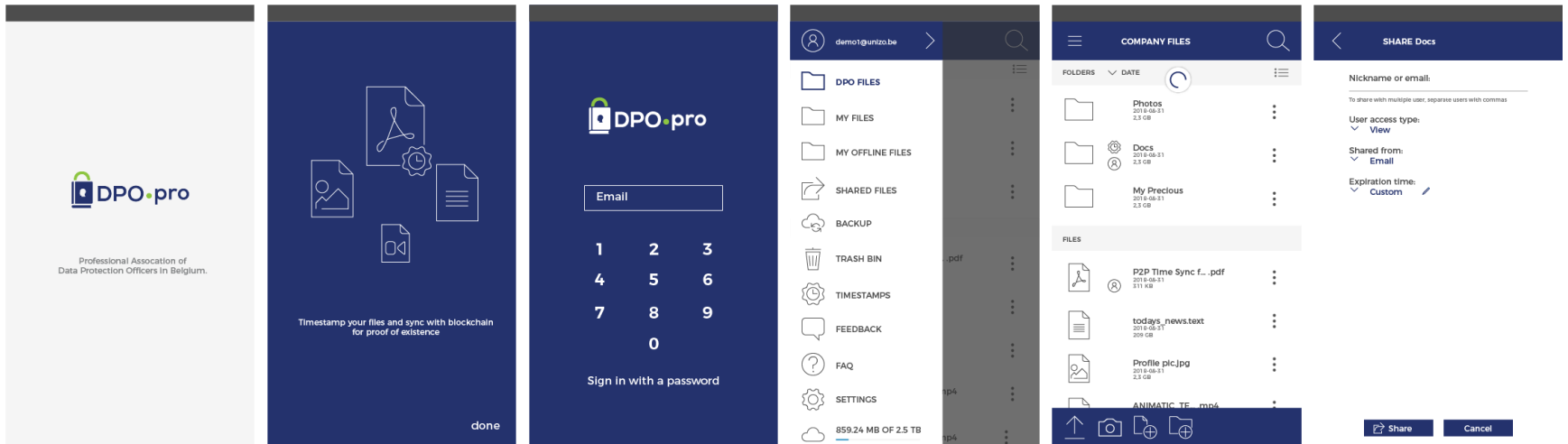


Mobile Application

Access and work on the go,
encrypted vault.

Encrypted Cloud Storage & Blockchain Timestamping

Mobile App



White label service: Use Cases

Audit & assurance

After receiving a shared folder from Washington D.C. USA, gather evidence from the client who is anywhere from Africa to Asia and EU`s attorneys can immediately see a new evidence was added to the case folder.

Tax

Don't have to worry about data security because of the Geens NPO end-to-end encryption and IBM Hyper Protect protocols.

Consulting

Not being dependent on email and FTP sites, employees can easily collaborate internally and send the presentations or large files to the customers.

Risk advisory

Avoiding GDPR incidents, data privacy breaches, authenticity along with optimized and simplified internal audits, information system assurance and data leakage by using RSM data action Log list and smart contracts blockchain timestamping.

Outsourcing

Create a shared folder for each employee containing work orders and instead of sorting through stacks of paper or emails, employees have a clean list in RSM Dashboard of tasks they need to do that day.

Transaction

Collaborate among multiple parties, monitor and take actions based on timestamped deliverables as proof of agreements while ensuring secure and private communication.