



OpenCloud

# Excellent file management and collaboration

Benefits

<https://opencloud.eu>



# Excellent file management and collaboration

OpenCloud is an open-source platform for file management and collaboration that has been specially developed for organisations with high requirements for data protection, scalability and digital sovereignty. It is tailored for public authorities, educational institutions, providers and companies that want to manage their data independently and in compliance with legal requirements.

The solution is completely open source, GDPR-compliant and can be operated on-premises in your own data centre or purchased as a SaaS offering through our partners. One of the key features of OpenCloud is the absence of databases for storing metadata. Instead, the platform scales entirely via the underlying storage. This simplifies the architecture, reduces operating costs and enables highly flexible, resource-efficient scaling.

Thanks to open standards and modular interfaces, OpenCloud can be easily integrated into existing IT infrastructures. Multi-tenancy, differentiated access control and comprehensive audit functions enable secure and controlled operation, even in complex or federal deployment scenarios.

Behind OpenCloud is the Heinlein Group, with over 30 years of experience in operating secure communication and infrastructure solutions. The Heinlein Group also includes the OpenTalk video conferencing solution, the mailbox email provider and the open source expert Heinlein Support.

OpenCloud is based on a fork of the open source software 'ownCloud Infinite Scale' (OCIS), whose components were co-developed by developers from the science organisation CERN and other active contributors. OpenCloud is now being further developed by the Heinlein Group with new ideas and a clear focus on data protection, interoperability and sustainable digitalisation.

# Challenges in modern IT environments

Organisations that focus on digital sovereignty and data protection face a wide range of operational, technical and structural challenges. Existing solutions are increasingly reaching their limits, especially when it comes to the secure, scalable and legally compliant management of sensitive files and data access.

Typical problems arise particularly in the public sector, educational institutions and security-critical industries:

## **Security risks and compliance:**

Vulnerabilities require immediate action. At the same time, regulations such as GDPR, BSI-Grundschutz (basic protection) or industry-specific standards must be reliably complied with.

## **Lack of resources:**

IT teams must operate complex systems, defend against security risks and implement new requirements with limited resources.

## **Limited control and integration:**

Commercial cloud platforms often offer neither transparency nor flexible interfaces – an obstacle to legally compliant, sovereign operation in existing or federal IT structures.

## **Complex upgrade cycles and technical dependencies:**

Regular update efforts, database dependencies or unplanned maintenance windows increase the workload and harbour legal and technical risks.

# Challenges in modern IT environments

These challenges highlight the importance of using a robust, manageable and scalable platform for file management and collaboration, with reliable support, transparent update strategies and complete control over data and infrastructure.

After all, digital sovereignty is more than just a political goal: it begins with technological capability. In other words, with the decision to opt for open, traceable and European-operable solutions that enable long-term security, independence and legal compliance.



# What a sovereign solution has to provide

Digital sovereignty is becoming increasingly important, not only as a political aspiration, but as a concrete requirement for the operation and control of digital infrastructures. But what does this specifically mean for the selection of technical solutions?

What is needed are structures that enable full control over data, access and further development, independent of third countries, corporate interests or external jurisdictions.

This is particularly evident in the example of the US CLOUD Act: it requires US companies, including their European subsidiaries, to disclose stored data to US authorities, even if it is located in European data centres. Those affected are often not informed, and legal recourse is usually ruled out. It is therefore clear that data protection, confidentiality and European legal certainty are not compatible with the use of US-based cloud platforms.

## **Key requirements can be derived from this background:**

- Open standards & open source: Transparent code and open formats ensure interoperability and independence.
- Operation under European law: Hosting must be possible without access obligations from third countries, in your own data centre or with trusted partners.
- Full control: Access, logging, audits and operation must be under your own responsibility.
- Integration: The solution must be flexible enough to fit into existing IT structures.
- Maintainability and support: Predictable updates and dedicated contact persons ensure long-term, stable operation.

These criteria now play a central role in strategic IT decisions, for example in municipal digitisation programmes, public procurement or the security architecture of critical infrastructures.

# OpenCloud Enterprise Licence:

## A reliable basis for sovereign IT

Security, reliable service and support, and the certainty that file management will continue to function reliably even in critical situations are among the key requirements of professional IT environments.

With its Enterprise Licence, OpenCloud offers a package that forms the basis for a powerful, legally compliant and independently operable file-sharing infrastructure.

### The benefits at a glance

<b>Early Security Advisories</b>	Early access to security-related information allows potential vulnerabilities to be identified in good time and allows appropriate measures to be taken. This enables organisations to remain capable of acting and to reliably comply with regulatory requirements.
<b>Long-term stability with LTS releases</b>	Long-term update cycles and continuous security updates ensure technical stability without the need for six-monthly system upgrades. This reduces operating costs and downtime risks.
<b>High Availability via Kubernetes</b>	Access to charts for deployments with high availability to ensure uninterrupted operation.
<b>Support in case of issues</b>	In case of questions about configuration or during operation, our support team is available to assist via email and phone.
<b>Branding for your company</b>	The user interface can be customised by integrating your own logo and adapting it to your corporate identity.
<b>Enterprise features for critical applications</b>	Deployment checks and upgrade support provide the technical basis for business-critical applications.



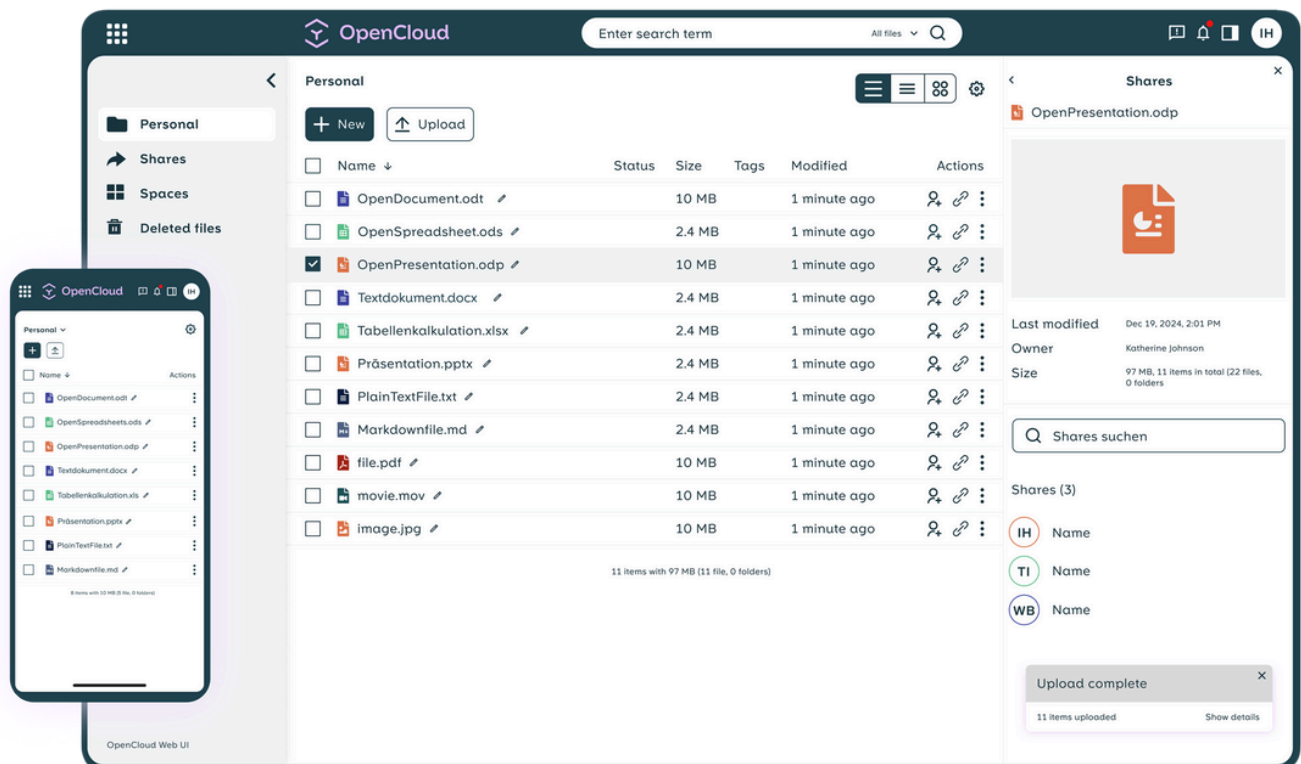
# Your next step towards a sovereign cloud infrastructure

Find exactly the solution that fits your requirements.

Whether implementation, operation or integration, we support you in optimally integrating OpenCloud into your infrastructure. With individual consulting, reliable support and operating models tailored to your specific business requirements.

Contact us at [sales@opencloud.eu](mailto:sales@opencloud.eu).

We are looking forward to your enquiry.





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