

T Cloud

Freedom through open source: Sovereignty through Open Sovereign Cloud



Discover the new generation of the cloud – developed and operated exclusively in Germany and the EU. Our platform is 100% based on a modern open source software approach and guarantees maximum transparency and independence from non-European providers. Your data always remains in certified German data centers, and its access is protected from the US CLOUD Act or other geopolitical influences. With built-in support for confidential computing powered by Intel SGX, you can securely and confidentially process even the most sensitive workloads in the cloud. Trust in a sovereign cloud solution that combines the highest security standards, full control, and future-proofing.

These are your challenges:



Digital sovereignty and independence:

Do you want to strengthen your digital independence and avoid your sensitive data or business processes being influenced by non-European providers or geopolitical risks?



Regulatory requirements:

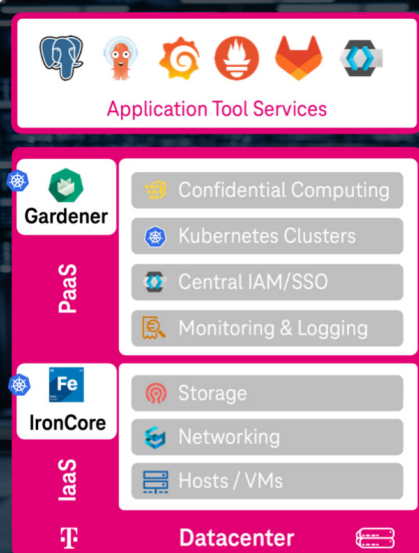
Do you need to meet strict regulatory requirements such as the GDPR or industry-specific requirements (DORA, NIS-2, gematik) and are you looking for a cloud solution that guarantees maximum legal security and data sovereignty?



Visibility and security:

Do you lack the visibility into your cloud infrastructure to maintain full control over security, access, and costs at all times, and to efficiently demonstrate compliance requirements?

The solution: Open Sovereign Cloud – Sovereignty in practice



In a world of increasing geopolitical tensions and digital dependencies, Open Sovereign Cloud offers the solution for true technological independence. Learn how the Open Sovereign Cloud puts you back in control.



Open Sovereign Cloud – Your answer to growing sovereignty requirements



What is the Open Sovereign Cloud?

The Open Sovereign Cloud (OSC) is the new generation of the cloud – developed and operated by T-Systems, built on state-of-the-art open-source technologies. OSC uses key technologies developed within the framework of the NeoNepheos Foundation under the umbrella of the Linux Foundation Europe. This means that you benefit from a platform that consistently focuses on European sovereignty, transparency, and independence.

With the OSC, you retain full control over your data and infrastructure, because all data is processed exclusively in certified EU data centers – without the CLOUD Act or geopolitical influences. The platform provides you with Kubernetes as a Service on a flexible infrastructure solution, complemented by state-of-the-art security features such as confidential computing and Hardware Security Module (HSM) integration. Thanks to a multi-vendor approach and open architecture, you can enjoy maximum innovation, reliability, and technological independence.

OSC has been specially developed for the highest data protection requirements and is ideal for handling sensitive data, for example in healthcare or the public sector. The BSI C5 Type II verification or authentication? also confirms compliance with the strictest security and compliance standards – for maximum trustworthiness and tested security.

The three pillars of sovereignty



Operational sovereignty

You retain complete control over the operation of your cloud infrastructure and applications. Confidential computing enables the consistent exclusion of the managed service provider – therefore unauthorized access to your data is technically excluded.



Data sovereignty

Your data remains completely under your control – stored in German data centers, operated by European providers. You control encryption, access, and use of your data, including all metadata, independently.



Technological sovereignty

By using open source technologies, the OSC remains **independent of non-European software providers**. **No proprietary interfaces, no dependencies – full portability for your applications and data.**



T-Systems' contribution

T-Systems operates and develops the Open Sovereign Cloud in geo-redundant data centers in Germany and offers comprehensive services from consulting and implementation to managed services for application operations.

The Open Sovereign Cloud is used for customers in a wide range of industries with different regulatory requirements. In addition, T-Systems undertakes to safeguard specially protected data with regard to people subject to professional secrecy in accordance with Section 203 of the German Criminal Code (StGB) as well as to maintain social secrecy in accordance with Section 35 of the First Book of the Code of Social Law.

Your benefits at a glance

- **Adherence to strict compliance requirements:** You can easily meet all regulatory requirements thanks to transparent, auditable processes and consistent implementation of European data protection standards.
- **Maximum independence:** By using open source technologies, you avoid any dependence on non-European providers and gain full flexibility for innovation and further development.
- **Full control and portability of your data:** Your data always remains under your control, is processed exclusively in the EU and can be migrated easily and securely thanks to open standards.
- **Maximum data security:** State-of-the-art security mechanisms – such as confidential computing – reliably protect your sensitive information, even during processing.
- **100% made in EU:** It operates in certified data centers within the EU. This means you benefit from true digital sovereignty and comprehensive protection against access by third parties outside Europe.



Customer success stories:

Our customers from various industries choose the OSC when maximum data, operational, and technological sovereignty is required. The focus is on technological independence: the open source approach avoids dependencies on geo-political and economic influences. Data sovereignty and compliance are not only essential in healthcare and the public sector, companies in financial services industry and other sectors also benefit from the security and transparency of a sovereign cloud.

Healthcare customers appreciate full control over personal medical data, compliance with gematik's requirements for a trustworthy execution environment, and the ability to remain innovative and agile at the same time. Certain use cases require that sensitive data be processed exclusively in encrypted memory areas of the processor to completely exclude access during processing and storage.

Customers in the public sector have particularly high demands regarding data security and compliance. You need robust features like strong encryption, two-factor authentication, privacy management, and regular external audits. It is also crucial that all data remains exclusively in German data centers – for full data sovereignty and compliance with national and European data protection regulations.

Testimonial



The introduction of digital identities enables our policyholders to easily access our online services at the highest level of security.

– Roland Bruns, Leiter der BARMER-IT



Your path to Sovereign Cloud – Take the next step



We will guide you through the next steps

How can T-Systems support you?



Advisory

We analyze your requirements and create a strategy for using a sovereign cloud that fits your specific business goals.



Implementation

We transform your application landscape or support you in the digitization of your processes, from planning to productive commissioning.



Managed services

We take care of the end-to-end operation of your applications on the Open Sovereign Cloud. In doing so, we rely on proactive monitoring and DevOps-based further development.

Make an appointment for a consultation with us

Contact

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* from the following countries: Austria, Belgium, Denmark, France, Germany, Great Britain, Luxembourg, Netherlands, Norway, Poland, Portugal, South Africa, Spain, Sweden and Switzerland.

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