

OPEN TELEKOM CLOUD



Cloud from Europe

The cloud is now the status quo. As an infrastructure platform, it plays a decisive role in almost all digitalization projects. Most companies have already migrated their existing applications to the cloud and new business models are usually set up directly cloud native. Since the technical and business opportunities are enormous. The Open Telekom Cloud unlocks these options to its users in compliance with European legal requirements. It ensures full data sovereignty. With OpenStack as the open standard without vendor lock-in.



Discover the cloud for your business

The ability to innovate, flexible costs and agility are typical challenges for enterprises today. Because the competition never sleeps. New services are entering the market faster and faster, or existing processes are getting that extra bit of efficiency. Banks are relocating entire business processes to the Internet; Start-ups bring digital health apps to market; Researchers are quickly using additional infrastructure resources for high-performance analysis to achieve faster results. But not only the economy is relying on the new maxim of agility. The public sector implements digital administrative processes and solutions for urgent challenges such as the Corona pandemic.

This flexibility is only possible because IT services are provided from the cloud. Server, storage and network services at the push of a button. There is no need for high investments, stockpiling of resources and own infrastructures and capacity management. IT is used „as a service“. You only pay for what is actually used. And that opens up a wide range of application scenarios. In every company – regardless of its size – there is cloud potential that is worth leveraging.

Open Telekom Cloud: “Compliance inside”

As inviting as the cloud is, technology and costs are not everything. Enterprises have to fulfil data protection and compliance requirements in accordance with European and national laws, especially if they process personal data, such as in a web shop or in CRM systems.

Telekom is one of the founding members of GAIA-X, which aims for a sovereign European cloud solution. In this spirit, the Open Telekom Cloud is a cloud from Europe for Europe. It is available from the data centers in Magdeburg and Biere since 2016. Meanwhile also from the Netherlands and Switzerland. Operated by a team from T-Systems that, as a European company, is committed to European standards. All data therefore is stored and processed in compliance with the European General Data Protection Regulation (GDPR). As the largest Open-Stack Cloud in Europe, the Open Telekom Cloud has been certified many times over for its security. It offers the common ISO certificates such as ISO 27001 and ISO 27017, specific data protection certificates like ISO 27018 and TCDP 1.0, and a number of other certificates and reports including SOC 1, SOC 2, SOC 3 and BSI C5. Furthermore, the Open Telekom Cloud complies with industry-specific regulations for the secure processing of data from professional secrecy holders as defined by § 203 of the German Criminal Code (StGB), and social benefit providers in accordance with § 35 of the German Social Code (SGB) I. Open Telekom Cloud offers “Compliance inside” – intricacies by Schrems II or the US Cloud Act are excluded by default.

The Open Telekom Cloud combines the flexibility and cost efficiency of the cloud with a binding and secure European legal framework. Additionally, the data centers are powered by 100% renewable electricity (#GreenMagenta).

Hundreds of customers – from large companies to start-ups as well as the public sector – already rely on the Open Telekom Cloud for the operation and development of their services.



Open Telekom Cloud Services

Computing

Elastic Cloud Server	Auto Scaling
Bare Metal Server	Image Management Service
Dedicated Host	

Container

Cloud Container Engine	Software Repository for Containers
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Storage

Object Storage Service	Cloud Server Backup Service
Elastic Volume Service	Scalable File Service
Volume Backup Service	Storage Disaster Recovery Service
Cloud Backup and Restore Service	Mobile Storage Solution

Network

Virtual Private Cloud/IP-VPN	Domain Name Service
Elastic IP	Direct Connect/Private Link Access Service
Elastic Load Balancing	VPC Endpoint
NAT Gateway	

Hybrid & Edge

Hybrid Cloud

Database

Relational Database Service	Distributed Cache Service
Document Database Service	

Management

Cloud Eye Service	Log Tank Service
Cloud Trace Service	Cloud Topology Designer
Identity & Access Management	Price Online Display
Tag Management Service	Financial Dashboard
Resource Template Service	Status Dashboard
Enterprise Agreement	

Application

Distributed Message Service	Short Message Notification
Application Operation Mgmt	

Security

Anti-DDoS	Key Management Service
Firewall as a Service	Web Application Firewall

Analysis

Cloud Search Service	Data Warehouse Service
Data Ingestion Service	MapReduce Service

Artificial Intelligence

ModelArts

The Open Telekom Cloud offers you a wealth of services beyond pure Infrastructure as a Service (IaaS), for example extensive management functions and additional network functionality, containers, databases and security services. With ModelArts, professionals and beginners can develop Artificial Intelligence services (AI).

The hybrid version combines the advantages of a private cloud with those from the Public Open Telekom Cloud. It offers you maximum data protection plus flexibility and scalability. The extensive portfolio of virtual servers ranges from simple virtual machines for web usage to database servers, bare metal servers and machines with graphics processors that can also be used for high performance computing (HPC).

Outstanding price/performance ratio

Independent studies have confirmed that the price/performance ratio of the Open Telekom Cloud exceeds that of well-known hyperscalers. More performance for the same money – that saves the budget, especially in the HPC environment.

In general, the Open Telekom Cloud offers two price models. With the established elastic model, you only pay for what you use. With the so-called reserved packages, you acquire resources at a fixed price over a period of 12, 24 or 36 months.

With the Enterprise Dashboard you have full cost control at all times: It shows you which services you used on the Open Telekom Cloud on a daily basis, so that you can control consumption in your company accordingly.

Do you need assistance?

Not every company has cloud skills. This also applies to Open-Stack know-how. This is not a stumbling block for the use of the Open Telekom Cloud. You can obtain all services as self-service or as a managed service.

We support self-implementers with extensive documentation and training. If you need assistance, our expert support is at your side. Or you choose the complete managed service. Here we take over the migration of your systems and are responsible for the operation for you.

Do you want to become our partner?

The Open Telekom Cloud has two partner programs. Techboost addresses German start-ups. You have the business idea – we provide the infrastructure. Plus the right contacts and expertise in medium-sized business segment. Since 2021, the Circle partner program complements the TechBoost program. Circle targets large customers, consulting firms, managed service providers, as well as startups across Europe that want to offer services or benefits (such as SaaS) based on a secure cloud infrastructure or move data center capacity to the cloud for their customers. Attractive conditions, technical support and joint marketing and sales activities support joint success.



Open Telekom Cloud – successful in customer projects

Cloud-based loan portal for SaarLB

With a new B2B loan portal from the cloud, Landesbank SaarLB wanted to offer its business customers better service – and at the same time optimally protected customer data. The Landesbank found the right solution with software company EUVIC's portal. The Open Telekom Cloud is used to operate the portal because the renowned software company did not want to take any risks when processing customer data in the banking environment. By using the Open Telekom Cloud, the Landesbank fulfills the strict requirements of financial supervision and the European General Data Protection Regulation (GDPR).

The loan portal was ready for use in just four months. A platform service from the Open Telekom Cloud is used when the portal is set up and continuously expanded: the Cloud Container Engine (CCE) based on Kubernetes. With it, developers can automatically, quickly and easily set up, deploy, cluster and scale cloud containers. For banking customers who do not yet want to take the step into the public cloud, the Open Telekom Cloud offers an alternative with the Hybrid Solution. This enables EUVIC to easily set up the containers on private instances. This enables the maximum security of confidential data.

Rapid implementation of public sector projects

After just 50 days, the federal government's corona warning app was ready to go. The app was developed in close cooperation between SAP and T-Systems as well as other partners as the largest open source project of the federal government. The Corona Warn app digitizes the process for a successful interruption of the chain of infection with regard to the Covid-19 pandemic. The prerequisite for the app is a scalable operating platform that supports the data protection requirements. So Open Telekom

Cloud was chosen. The importance of scalability became apparent in the weeks after the app was launched. With over 30 million downloads, it is one of the most successful German apps. With the portal for emergency economic aid, the Open Telekom Cloud also supports a service provided by the State of Bavaria. Universities and schools are already using the Open Telekom Cloud or platforms operated on it. The reason: The data of pupils and students are processed in accordance with the GDPR, and adolescents are made aware of the issue of data protection at an early stage.

Top performance for science

The European satellite program Copernicus collects several terabytes of earth observation data each day. When looking for a high-performance data storage platform that would grow with the service, ESA decided to go for the Open Telekom Cloud. To date, the database comprises several petabytes that are made available to various geo services.

The Open Telekom Cloud for the Medizinische Hochschule Hannover offers another database with scientific data. One of the

largest open databases with corona lung images for medical research runs here.

The Open Telekom Cloud is also well-suited for HPC: CERN has already used the computing power for its particle physics evaluations, as has recently done the medicine research project folding@home. For the latter, capacities were made available from the Amsterdam data centers. Here, customers from the science sector receive additional, improved conditions in order to advance research and development more efficiently.

**Have we aroused your interest in the Open Telekom Cloud?
Then talk to us:**

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