




Hybrid Cloud

Strategies for Modern IT Infrastructure

We will show you how to distribute your company data efficiently and securely in 3 steps.

Did you know that:



Many companies use on-premises, professionally managed colocation data centers to enjoy the benefits of a hybrid cloud without having to operate their own data center.

Most large companies now pursue a hybrid cloud strategy in order to remain flexible and cost-efficient.

With a hybrid cloud solution, companies can decide which data is stored on a server within a regional datacenter (eg. Germany or Luxembourg) and which data is stored in the public or private cloud.

The current shortage of skilled workers in the IT sector is encouraging more and more companies to use the advantages of hybrid infrastructures (a combination of colocation and hybrid cloud offerings) from professional providers.

HOW TO MANAGE SENSITIVE DATA?

- When it comes to personal, customer or business data, an enormous number of companies are currently faced with the question of how they can be stored, processed and transported securely in an audit-proof manner. So it's understandable they want to retain full control when it comes to their company's sensitive data.
- Companies with their own data centers or those planning to build one must keep in mind the ESG requirements, as well as how the regulatory framework and developments on the electricity market, are becoming increasingly more complex and difficult to meet.
- Complying with all legal regulations and operating a data center requires enormous effort. The hybrid cloud offers solutions to still store sensitive data on secure infrastructures, without having their own data center capacity.

WITH A HYBRID CLOUD YOU ENJOY THE BEST OF BOTH WORLDS:

- > The proximity and security of local servers, coupled with the scalability and efficiency of the cloud. This tailored control allows companies to implement stricter security measures for important data while leveraging the benefits of the cloud for everyday applications.

Their data is always where it is best kept – under their direction and protected by state of the art security protocols.

SECURITY ASPECTS OF THE HYBRID CLOUD



Control Over Data:

- > With a hybrid cloud solution, companies can decide which data is stored on a server within Luxembourg and which data is stored in the public or private cloud. This enables precise control and management of even sensitive information.



Increased Data Security:

- > By separating the data between different environments, the risk of a data leak can be reduced. Sensitive data remains within the company's controlled, secure access, while less critical data can be used flexibly and scalably in the public or private cloud.



Compliance And Data Protection:

- > By integrating a colocation data center into the overall planning, a hybrid cloud concept supports compliance with legal data protection requirements, as they can ensure that certain data is stored within regional data centers in order to comply with all regulations (including sovereignty) correspond to.

EUROPEAN ENERGY EFFICIENCY DIRECTIVE (EU/2023/1791)

- > The integration of a data center operator that offers hybrid infrastructure solutions brings numerous advantages for companies, especially with regards to the new European Energy Efficiency Directive (EU/2023/1791), which makes the operation of owned data centers, especially if they are of an older design and would need to be renewed, significantly more difficult.

Future Security:

- > Colocation data centers continually invest in new technologies and improvements to meet required energy efficiency standards. Companies that use these services are therefore always up to date with the latest technology and can be sure that they will also easily meet future legal requirements.

Sustainability And Image:

- > The use of an energy-efficient data center supports the company's sustainability goals and improves the public image. Customers and partners are increasingly attaching importance to environmentally conscious business practices, and working with an environmentally friendly data center can have a positive influence on the perception of the company.

Expertise And Technology:

- > Data centers that offer hybrid cloud solutions have the technical know-how and the latest technologies to optimize energy efficiency. Companies benefit from this expertise without having to hire their own specialists, who are currently difficult to find, or carry out expensive training.



THE ADVANTAGES OF A HYBRID CLOUD

Efficiency and flexibility combined

The benefits of a hybrid cloud solution in combination with a local colocation data center offers unparalleled flexibility and efficiency.

A local colocation data center physically houses servers that cannot be virtualised, while other data and applications are managed securely and efficiently in a public or private cloud environment. This means companies retain control over which data is stored locally and which is outsourced to a cloud.

Critical and sensitive data can remain in the secure environment of the colocation data center, while less sensitive workloads benefit from the scalability and flexibility of the public cloud.

By outsourcing IT infrastructure to a professional managed colocation data center, not only are there significant cost savings, but also the benefit of improved operational efficiency.

These data centers offer state-of-the-art security measures, redundant power supplies and high-speed networks that ensure all systems are always available and protected. In addition, security precautions and regular infrastructure maintenance that would be required in company-owned data centers are no longer required.



THE ADVANTAGES OF A HYBRID CLOUD

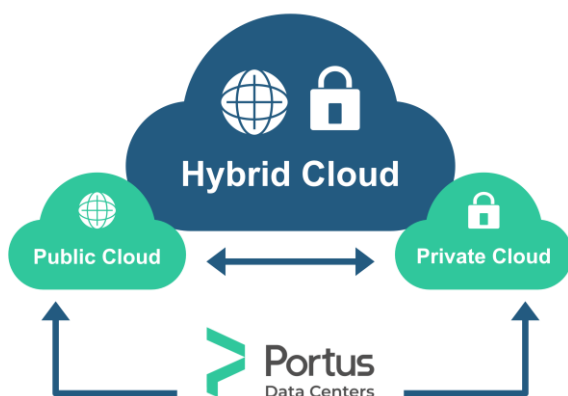
Operate your IT infrastructure without worrying about skilled workers

In addition, qualified IT experts are currently difficult to find and expensive to retain. By using professionally operated colocation data centers, companies can operate their IT infrastructure efficiently without having to rely on a large number of IT specialists, as they usually also offer accompanying managed services.

Another big advantage is scalability. Your company can quickly and easily provide additional resources when needed, without having to invest in new hardware. This allows for flexible adaptation to growing business needs and seasonal peaks, without the financial burden and logistical challenges that come with managing your own infrastructure.

The fact that a colocation data center also offers various procurement advantages should not be neglected: both the large number of available data carriers, which would normally not be possible in an on-premise data center, as well as the bundled purchasing of data carriers Energy supplied by the operator usually leads to significantly cheaper purchase prices than with individual procurement.

And if a colocation data center like that of Portus Data Centres also offers an ecosystem of solution partners, completely new ways of data storage and processing become feasible.



YOUR IT INFRASTRUCTURE
IN OUR COLOCATION DATA CENTERS

ABOUT US

PORTUS DATA CENTERS

> Our regional and carrier-neutral data centers support you and your digital infrastructure, which is crucial to the success of your company.

As a colocation provider, we provide your local hardware in a secure and always accessible environment. Additionally, in collaboration with Megaport, we can give you access to your cloud providers in minutes, offering you multiple carrier solutions.

Future Security:

- Fast physical access to your data
- Long-term energy supply contracts
- Excellent customer service
- 24/7 security

Flexibility:

- Easy scaling
- Carrier-neutral
- Direct connection to cloud providers
- Teams on site

Sustainability:

- 100% renewable energy
- Already compliant with EU/2023/1791
- Highly efficient, adiabatic cooling system
- Reduced carbon footprint

Availability:

- All data centers are located within the European Union
- Tier 3 and Tier 4 standards
- 99.999% guaranteed uptime
- Redundant and robust systems

LOCATIONS

> HAMBURG

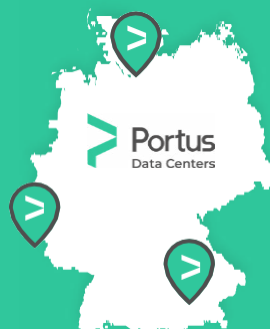
The IPHH data centers offer the best selection of connection options in Northern Germany.

> LUXEMBOURG

Highly secure and unique data center, completely built underground. Certified Tier IV, ISO 9001, 14001, 27001, 50001 and EN50600.

> MUNICH

State-of-the-art Tier 4 data center. ISO27001 & EN50600 VK4 certified.



Ready for the hybrid cloud?

> **Book an appointment** with one of our experts today and find out how our regional and carrier-neutral data centers can support your digital infrastructure can optimally support.

> Take advantage of the advantages of the hybrid cloud and secure one today. Gain competitive advantage through flexible efficient and secure solutions.

Let us take your IT strategy to the next level:

Click here to arrange your personal consultation appointment!





Portus
Data Centers