

## Sovereign cloud infrastructures - made in Germany

### Challenge

#### Do you have control over your IT?

Critical infrastructures rely on stable, predictable IT environments.

But what happens if conditions in the data center or public cloud suddenly change and jeopardize operations?

#### Frequent reasons for a necessary migration:

- Unexpected price explosions
- Changed license conditions
- Relocation of data to non-EU countries

#### Technical hurdles of a Kubernetes migration

Kubernetes migrations are rarely trivial: APIs, tools and operating models differ depending on the provider.

The change quickly becomes a complex and risky task.

### Solution

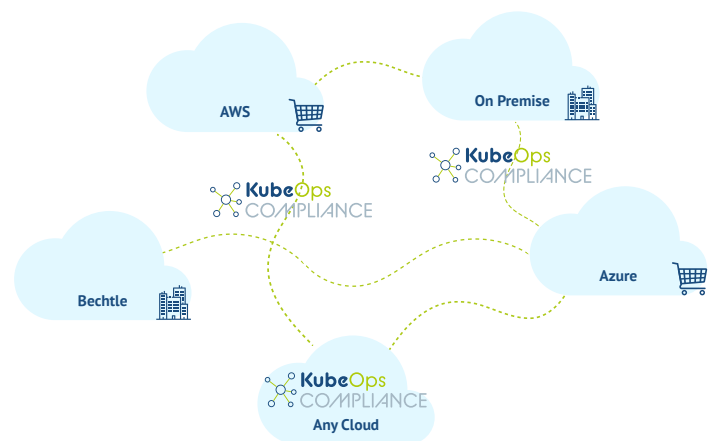
#### A stack for sovereign Kubernetes

KubeOps Compliance provides the basis for a future-proof Kubernetes strategy - regardless of individual providers or infrastructures. Because KubeOps Compliance is compatible with all common environments, the sovereign Kubernetes stack runs in the Public Cloud, Private Cloud or On-Premises.

#### Technological basis for sovereignty and security:

- Open source-based technology
- No vendor lock-in
- Zero-trust-capable architecture

Denn Souveränität braucht Technologie, die sich Ihrer Strategie anpasst – nicht umgekehrt.



### Solution

#### Accompanied migration - confidently implemented

In addition to KubeOps Compliance, KubeOps offers the option of migrating existing systems in a structured manner. Tried-and-tested tools and accompanying services are available for this purpose, with which the transition to the new operating environment can be planned and low-risk.

Depending on requirements and the initial technical situation, different levels of sovereignty can be selected - right up to synchronous parallel operation.

Accompanied migration thus becomes an optional extension on the way to a cloud infrastructure that enables strategic sovereignty - controlled, independent and flexible.



# Kubernetes in the KRITIS environment

## Central application operation for secure authentication in the context of the Online Access Act (OZG)

A secure, scalable Kubernetes platform was implemented for a large public institution in order to map the application operation of a central authentication solution as part of the Online Access Act. The operation is carried out entirely in the customer data center by KubeOps - including support and monitoring.

### Highlights:

- Complete operation in the customer data center
- High availability & CI/CD processes
- Auditability (BSI, ISO, DSGVO)
- 2nd/3rd level support
- Scalable for millions of users



## Platform structure for containerized specialist applications in public administration

As part of the implementation of the Online Access Act, a public institution received an individual platform solution for the development and provision of containerized applications. KubeOps took over the analysis, design and development of a stable, auditable operating environment.

### Highlights:

- Operating model according to ITIL
- Auditable Kubernetes platform
- Integration of external systems & cockpit
- Standardized CI/CD processes
- Future-proof scalability

## KubeOps: Sovereign IT for sensitive infrastructures

We operate and support secure, standardized IT platforms based on Kubernetes and containerization - with the highest standards of digital sovereignty, compliance and IT security. Our services and tools are aimed at the public sector and organizations with special requirements in terms of data protection, operational stability and regulatory requirements - whether on-premises, in the cloud or in hybrid environments. Because sovereignty needs technology that adapts to your strategy - not the other way around.



**Do you have any questions?  
Make an appointment now!**



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