KubeOps

Ein Unternehmen der Bechtle Gruppe

Sovereign virtualization in the multicloud

The challenge

Making VM operations future-proof

With the acquisition of VMware by Broadcom, license models, product policies and long-term roadmaps are changing. Virtualization solutions with vendor lock-in lead to

- Technological lock-in
- Rising operating costs
- Limited further development
- Uncertainty about future availability and control

A sovereign approach is required for sensitive infrastructures in particular - without vendor lock-in, but with full flexibility for multi- and hybrid cloud scenarios.

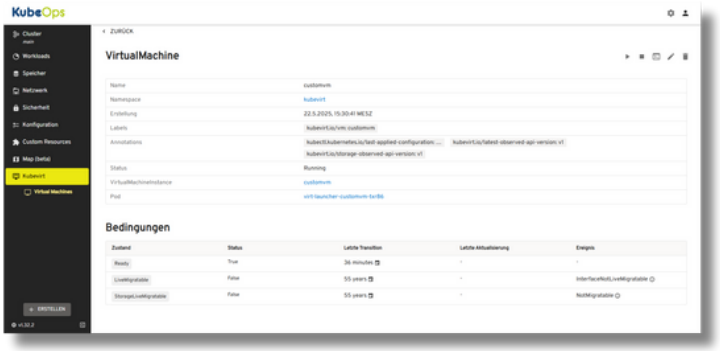
Our solution

Virtualization and containerization side-by-side

KubeOps VM enables the operation of virtual machines within a Kubernetes-based infrastructure - flexible, auditable and future-proof. Virtualization and containerization can be operated in a consolidated manner - without dependence on providers or cloud providers.

Advantages:

- Side-by-side operation of VMs and containers
- Independent of license models and manufacturers
- Recovery possible in <24h
- Migration of existing VMs possible (e.g. VMware → KubeOps VM)
- Can be used in multi-/hybrid cloud architectures



KubeOps HUB: Compliance and automation in one solution

The KubeOps HUB extends your Kubernetes environment with integrated tools for automation, governance and monitoring. It enables standardized processes, auditability and transparency - and reduces dependency on individual cloud providers. Operation and lifecycle management with KubeOps.

With the KubeOps HUB you get:

- Automation and lifecycle management
- CI/CD integration and monitoring
- Governance, Sicherheit und Berichterstattung
- Uniform management for VMs and containers in all cloud environments

Souveräner Stack:

- ✓ Technological basis from DE
- ✓ Open source vanilla Kubernetes + KubeVirt
- ✓ No vendor lock-in
- ✓ Uniform operating platform for all cloud and on-prem scenarios
- ✓ Can be integrated with KubeOps HUB, CI/CD & monitoring

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.

NIS 2 READY · GDPR COMPLIANT · ISO 27001 COMPLIANT · IT-Grundschutz COMPLIANT · Made in GERMANY

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Do you have any questions? Make an appointment now!

Dennis Helmchen
Head of Sales

www.kubeops.net
dennis.helmchen@kubeops.net
+49 173 5270478
Dennis Helmchen

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