



Kubernetes Service

Factsheet

swisscom

**Enable, drive and protect
your business.**



The information in this document does not constitute a binding offer. It is subject to revision at any time.

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Create business value with Kubernetes, not complexity, and focus on your workload.

Kubernetes Service is the solution for effortless provisioning and usage of your container workloads – manage your Kubernetes Clusters easily and efficiently.

Designed with cloud native principles in mind, our product meets the needs of companies that require high privacy standards. It ensures that data remains within Switzerland's secure borders to uphold rigorous compliance and regulatory mandates. By utilizing Swisscom's local data centers, you benefit from low latency and enhanced performance.

The Kubernetes Service is distributed across three sites to ensure high availability. We have implemented automated cluster management and scaling through self-service, which significantly streamlines administrative tasks. A range of storage options and advanced features, such as autoscaling and native Kubernetes Load Balancers, are available for the customization of individual user clusters. Regular updates will be provided automatically, ensuring access to the latest advancements and features from the upstream Kubernetes project. Nonetheless, you retain full control over when and how to update your clusters.

Local excellence & support.



A Swiss-based service ensuring data residency, privacy, and compliance with local regulations. You also benefit from access to dedicated experts and customer service (24x7 support if desired) renowned for its reliability and expertise.

Simplified management.



Automated cluster operations and self-service functionalities free your team from the complexities of setup and maintenance.

Scalability & high availability.



Effortlessly adjust resources to meet your demands without overspending and benefit from our robust infrastructure which guarantees maximum uptime for your critical workloads.

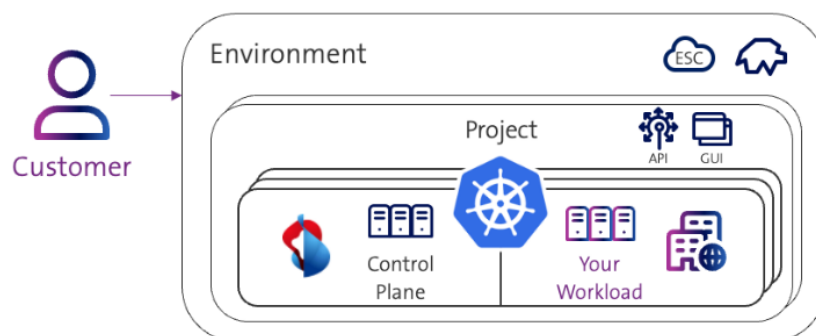
Integration with other Swisscom services.



The product integrates with Swisscom's service portfolio, forming a cohesive ecosystem that enhances workflows and interoperability. Moreover, integrated services like the Kubernetes Workload Management Stack can further improve your customer experience.

How Kubernetes Service works

Ordering a Kubernetes Environment within our Enterprise Service Cloud will trigger the installation of your very own Kubernetes Service tenant. In this environment, you can create projects and assign permissions for the customer portal via GUI or API. Swisscom ensures the availability and management of the control plane for your Kubernetes Clusters within each project.





Facts & Figures

Basic services



These features are included with Kubernetes Service

- Kubernetes Cluster as a service
- Customer self-service portal to manage your clusters, also 100% API driven
- Fully automated provisioning
- Highly available platform across 3 Swisscom data centres in Switzerland (2 regions available)
- Integration with your identity provider (using OIDC) to facilitate Role-Based Access Controls (RBAC)
- Variation of sizes and scalability
- 0 to *unlimited* worker node instances per cluster with direct SSH access
- Node autoscaler
- Different Container Network Interfaces (CNI) options
- Integrated etcd (management) and user cluster backup functionality

Options



Additional options directly available for you to consume

- 24x7 support option available per cluster
- Native Kubernetes Load Balancers
- Physical Volumes (PV), directly consumable as storage
- Multiple projects (administrative grouping) with different permissions

Supplementary services



External services that are available on request

- Professional service (e.g. trainings, architectural reviews, concepts, implementation, etc.)
- Kubernetes Workload Management Stack (K8wms)
- File Service Kubernetes as external NFS/iSCSI storage option
- Managed database services (Oracle, MSSQL, PostgreSQL)
- Managed forward / reverse proxy
- S3 object storage

You can find more information and get in touch with our experts here: <https://www.swisscom.ch/en/business/enterprise/offer/cloud/cloudnative/container-services.html>