Kubermatic Kubernetes Platform (KKP)

▶ Used by IT teams worldwide to operate, automate and scale hundreds or even **thousands of clusters** on your chosen cloud, on-prem, or edge environment

▶ Simplest & most effective **software to manage the new era of cloud native IT infrastructure**

▶ Kubernetes architecture automates **deployments, Day 2 operations, policy and governance, security, management, and user experienc**e

▶ Accelerate the enterprise journey **to automated multi-cloud operations**

KKP works in three realms:

Cloud native services
Allows to build environments in hybrid, on-prem or cloud environments
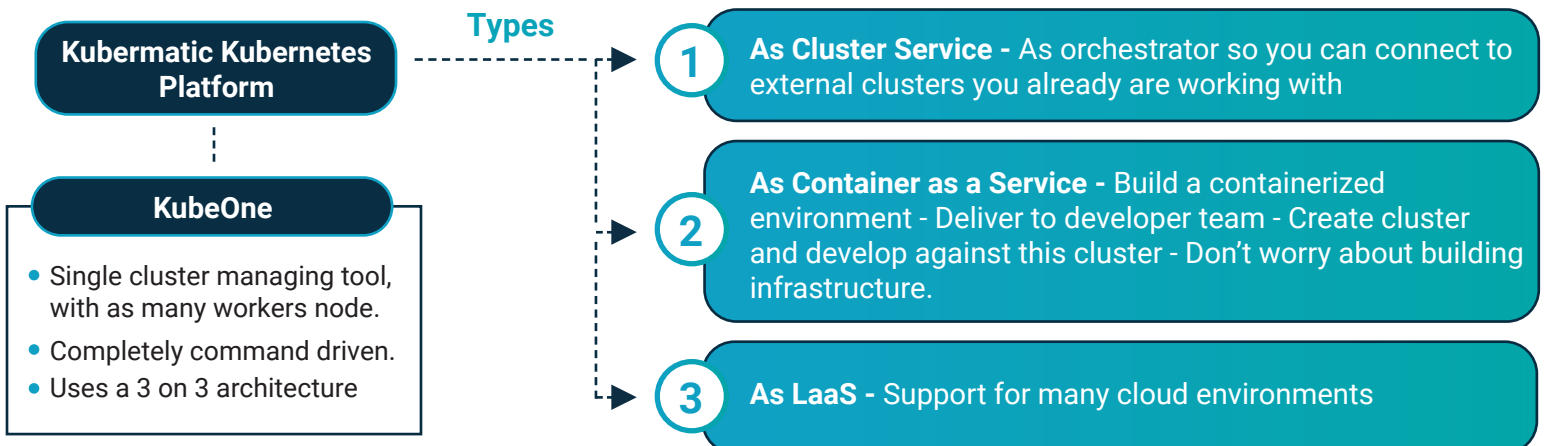
Application centric design
When selling apps as a Kubernetes cluster, the app is packaged as a KKP to help installation, setup and bringing up of applications.

Automation
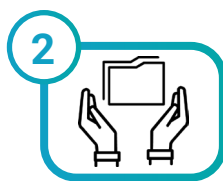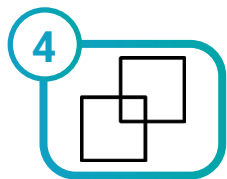Automates lifecycle operations of Kubernetes

Kubermatic Overview

Kubermatic Kubernetes Platform

Types

KubeOne

- Single cluster managing tool, with as many workers node.
- Completely command driven.
- Uses a 3 on 3 architecture

1 **As Cluster Service -** As orchestrator so you can connect to external clusters you already are working with

2 **As Container as a Service -** Build a containerized environment - Deliver to developer team - Create cluster and develop against this cluster - Don't worry about building infrastructure.

3 **As LaaS -** Support for many cloud environments

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KKP Features

1 — **Monitoring and alerting:** Visibility at the Cluster Levels and at the Master Control level

2 — **Data governance:** Store data in specific region without loosing governance of data
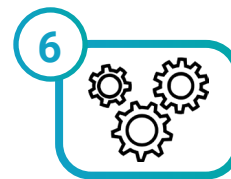
3 — **Automation:** API and operators. Operators automate the lifecycle of the operations

4 — Easily create a cluster from cluster templates

5 — Upgrade of the control plane and OS upgrades without downtime & eliminate accidental runtime when making changes to environment

6 — Takes care of network, storage, permissions configurations

How KKP helps run Kubernetes cluster more efficiently

- Operate, automate and scale thousands of clusters **with a single seed cluster**

- Allow IT teams to work more effectively because of **scalability** and **unison structure across datacenters**

- **Reduce requirement** for in-house expertise & rellocate sources to **innovation**

- Manage multiple clusters with **minimal operation overhead**

- **Deploy and rollout** rapidly and efficiently

- Avoid toolstack's incompatibility with the **managed customer's environment**

- **Scale and extend** your infrastructure

- **Open source,** no vendor lock

- True **Multi-Cluster** & **Multi-Tenancy**

It's time to run your **Kubernetes clusters more efficiently**

Let your IT teams find **more free time** to focus on **development and improving your products**. With Kubermatic Kubernetes Platform, they are able to **operate, automate and scale hundreds or even thousands of clusters with a single seed cluster**, minimizing their operational efforts:

Get KKP   **More Information**