

Kubernetes in Cleura

In Cleura you can run Kubernetes in various ways. [Cleura Cloud Management Panel](#) includes management interfaces for [Gardener](#) and [OpenStack Magnum](#).

Gardener

Gardener is a Kubernetes-native system that provides automated management and operation of Kubernetes clusters as a service. It allows you to create clusters and automatically handle their lifecycle operations, including configurable maintenance windows, hibernation schedules, and automatic updates to Kubernetes control plane and worker nodes. You can read more about Gardener and its capabilities on its [documentation website](#).

To learn how to use Gardener in the Cleura Cloud Management Panel, refer to [Creating Kubernetes clusters using Cleura Cloud Management Panel](#).

Magnum

Magnum lets you create clusters via the OpenStack APIs. To do that, you base your configuration on a Cluster Template. The template defines parameters describing how the cluster will be constructed, such as worker flavors. In each region, we offer predefined public Cluster Templates with ready-to-use configurations. To learn more about Cluster Templates, check out the [Magnum documentation](#).

Once you have chosen your Cluster Template, you move on to [create a cluster based on that template](#). When you create the cluster, you can define the number of nodes in your cluster, ask for multiple master nodes with a load balancer in front, etc.

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