

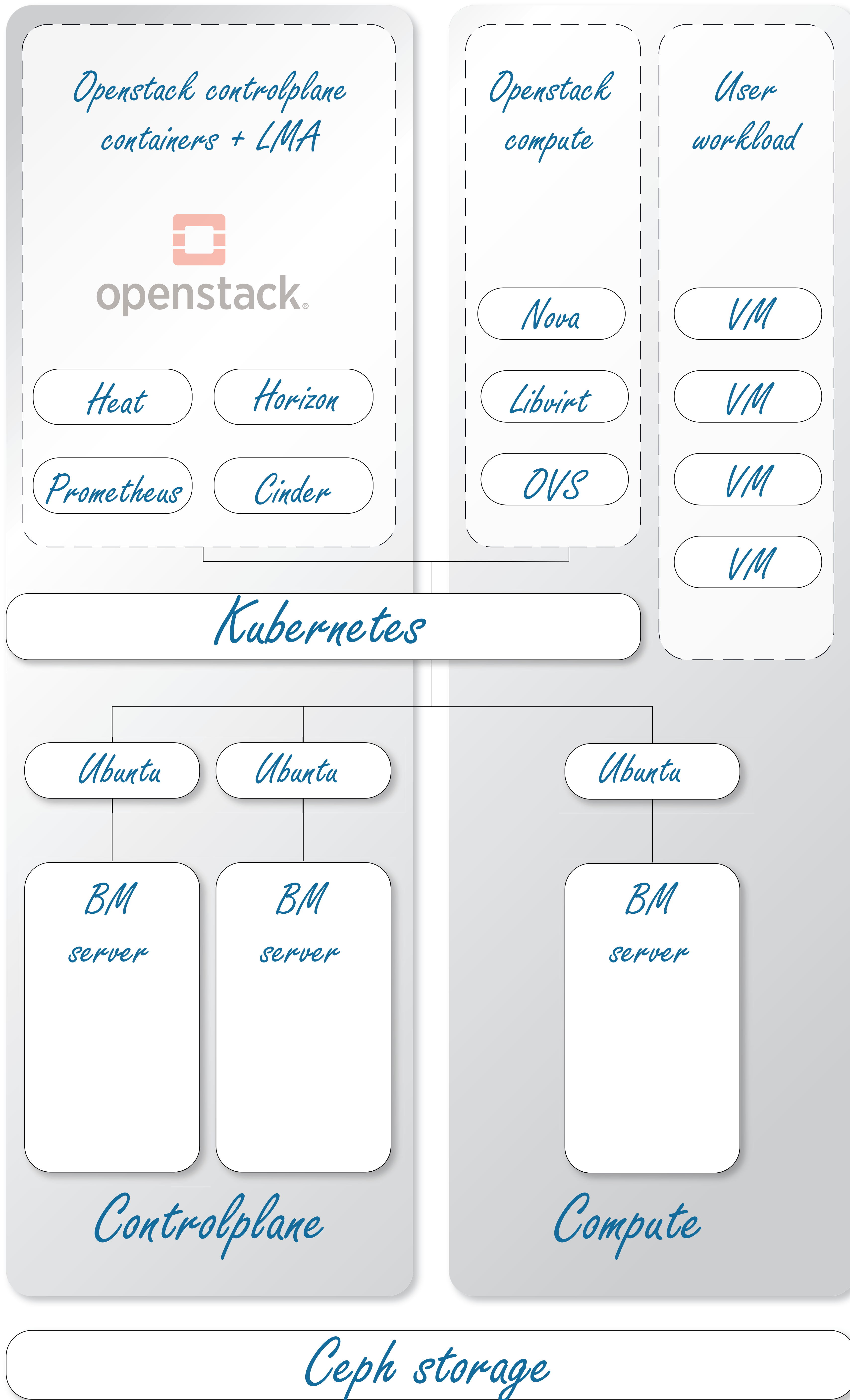
Beskar cloud

GitOps-Based OpenStack on Kubernetes

Beskar cloud is an **OpenStack distribution** that provides a tool for installing Openstack on top of Kubernetes with best practices and optimizations.

The main focus in the development of this distribution is **simple deployment** using automation, **ease of operation**, and **platform stability**.

We provide architectural and technical consultations and help with implementation and operation.



FluxCD

is a GitOps tool for keeping K8s clusters in sync with sources of configuration. Flux automatically deploys OpenStack and other components to the Kubernetes cluster whose configuration is stored in the git repository as the single source of truth.



Logging, Monitoring, Alerting (LMA)

is a monitoring stack for the operation system, Kubernetes, and OpenStack components provided by the distribution. It uses the widely-used tool as Prometheus, Grafana, and Loki.



Openstack-helm

is a collection of Helm charts that flexibly deploy OpenStack and related services on Kubernetes. These charts are deployed and managed by FluxCD.



Kubespray

set of Ansible playbooks and provisioning tools for deployment production-ready Kubernetes cluster. Kubernetes provides additional resiliency to Openstack component containers and enables better automation using the GitOps approach.



Infra-config

set of Ansible playbooks for setting up the operating system



Ubuntu MAAS

for bare metal provisioning - installation of Ubuntu servers and initial network configuration

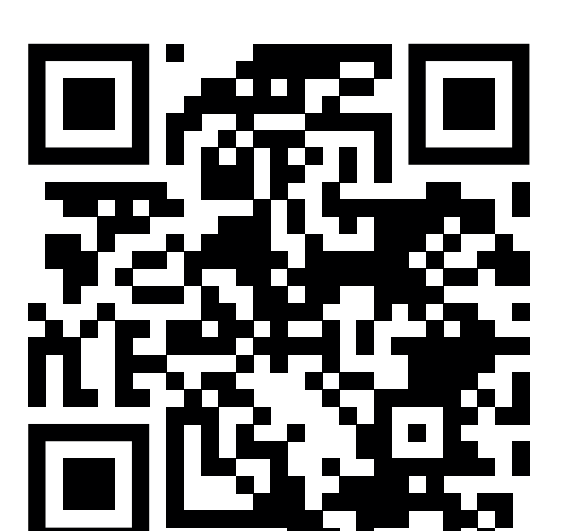


Ceph storage

provide storage for OpenStack components (database,...) and for user workload (block, file, object storage)



Do you want to have your own OpenStack instance?
Contact us!
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This is the Cloud Way!