

Beskar Cloud: OpenStack Deployment on Top of Kubernetes

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OpenStack, known for its open-source cloud capabilities, offers a wide range of services for creating and managing various types of clouds. However, setting up and maintaining an OpenStack cloud can be a complex and time-consuming task. In recent years, Kubernetes has gained popularity as a platform for managing containers, making it an attractive choice for simplifying the infrastructure behind OpenStack.

At CESNET we have decided to build a next-generation of OpenStack cloud utilizing Kubernetes. In this presentation, we introduce our innovative approach to building the CESNET OpenStack cloud using Kubernetes as the foundation, combined with the OpenStack Helm infra-based distribution. We will discuss benefits of this approach which enables simplified deployment and management of OpenStack services by leveraging the automation and scalability of Kubernetes.

Primary authors: ROSINEC, Adrian (CESNET); Mrs MORAVCOVA, Klara (CESNET)

Presenter: ROSINEC, Adrian (CESNET)

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