

# Kubernetes operators for web hosting at CERN: experience

*Monday 31 October 2022 15:10 (25 minutes)*

An ambitious plan to modernize the web hosting infrastructure at CERN started in 2019, aiming at consolidating the various hosting technologies on a shared Kubernetes/OpenShift platform.

In this talk I will present the design of the web hosting infrastructure resulting from this project and how we leveraged the Kubernetes operator pattern for site provisioning and configuration management.

I will also cover our choices and design decisions regarding the user interface for site management, the use of upstream components from the Kubernetes ecosystem and the integration of this Kubernetes-based infrastructure with CERN SSO and more generally the CERN computing environment.

## Desired slot length

## Speaker release

Yes

## Presentation will be held...

in the conference venue

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**Session Classification:** End-user Services, Operating Systems

**Track Classification:** End-User IT Services & Operating Systems