



Contribution ID: 272 Contribution code: TUE 18

Type: Poster

## How to make kubernetes easy to use for thousands users

*Tuesday 22 October 2024 16:00 (15 minutes)*

CERN has a huge demand for computing services. To accommodate this requests, a highly-scalable and highly-dense infrastructure is necessary.

To accomplish this, CERN adopted Kubernetes, an open-source container orchestration platform that automates the deployment, scaling, and management of containerized applications.

This session will discuss the strategies and tooling used to simplify the use of Kubernetes, in particular:

- one-click deployment of any application from a git repository
- zero-config creation of CD pipelines
- specialized managed clusters for common use cases
- dashboards to manage deployments across different clusters

**Authors:** PIMPO, Alberto; POSADA TROBO, Ismael (CERN)

**Presenters:** PIMPO, Alberto; POSADA TROBO, Ismael (CERN)

**Session Classification:** Poster session

**Track Classification:** Track 7 - Computing Infrastructure