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Container orchestration as key to the evolution of CERN Web Services

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Introduced in 2016, the “PaaS for Web Applications” service aims at providing CERN users with a modern environment for web application hosting, following the Platform-as-a-Service paradigm. The service leverages the Openshift (now OKD) container orchestrator.

We will provide a quick overview of the project, its use cases and how it evolved over its more than two years of production phase. Then we will focus on integration of Openshift with the CERN environment, and in particular how integration with GitLab allowed to significantly simplify and automate application deployment. We will conclude with the prospects the platform offers for the evolution of CERN Web Services.

Desired length

20

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