

## Running Oracle WebLogic on containers

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CERN IT department is providing production services to run container technologies. Given that, the IT-DB team, responsible to run the Java based platforms, has started a new project to move the WebLogic deployments from virtual or bare metal servers to containers: Docker together with Kubernetes allow us to improve the overall productivity of the team, reducing operations time and speeding up the time-to-delivery as well as introduce repetitive and reproducible environments. The scope of the project goes from the design and production of docker images, deployment environments based on Kubernetes as well as all procedures and operations including the needed tools to hand over to users the management of their deployed applications.

In this presentation you will see how at CERN we have faced all the technical and design aspects to run it in a production environment. That means the implementation of the solutions needed including monitoring, logging, HA, security and traceability. Finally we will show you the integration of the developed product in the CERN IT ecosystem including SSO, storage and user directory among others.

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