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System testing CERN physics archival software using Docker and Kubernetes

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CERN storage architecture is evolving to address run3 and run4 challenges. CTA and EOS integration requires parallel development of features in both software that needs to be synchronized and systematically tested on a specific distributed development infrastructure for each commit in the code base.

CTA Continuous Integration development initially started as a place to run functional system tests against the freshly built software. But its importance grew over time to include all development, testing and deployment aspects.

This presentation will focus on how we leverage Kubernetes and Docker to tackle various integration use cases.

Consider for promotion

Yes

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