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Experiences migrating CTA to Alma Linux 9

Tuesday, 19 March 2024 11:00 (15 minutes)

Due to the upcoming end-of-life of CERN CentOS 7, CTA will be migrated to Alma Linux 9, following the recommendations of the CERN Linux team. Migrating the CTA codebase from CC7 to Alma 9 presented a range of compatibility hurdles. This talk will delve into the challenges encountered and the strategies used to overcome them, including: managing version changes in vital dependencies like Protobuf and Oracle client libraries; resolving differences between CC7 and Alma9 package offerings; and ensuring C++ code compatibility. Additionally, we will address the transition from Docker to Podman, the adaptation of the versionlock file for Alma 9, modernisation of scripts from Python 2 to Python 3, handling potential Bash version incompatibilities, and strategies for integrating the CTA docker image into a local minikube environment.

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