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An ARM cluster for running CMSSW jobs

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The ARM platform extends from the mobile phone area to development board computers and servers. It could be that in the future the importance of the ARM platform will increase if new more powerful (server) boards are released. For this reason CMSSW has previously been ported to ARM in earlier work.

The CMS software is deployed using CVMFS and the jobs are run inside Singularity containers. Some ARM aarch64 CMSSW releases are available in CVMFS for testing and development. In this work CVMFS and Singularity have been compiled and installed on an ARM cluster and the aarch64 CMSSW releases in CVMFS have been used. We report on our experiences with this ARM cluster for CMSSW jobs.

Consider for promotion

No

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