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The Lustre Filesystem for Petabyte Storage at the Florida HPC Center

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Design, performance, scalability, operational experience, monitoring, different modes of access and expansion plans for the Lustre filesystems, deployed for high performance computing at the University of Florida, are described. Currently we are running storage systems of 1.7 petabytes for the CMS Tier2 center and 2.0 petabytes for the university-wide HPC center.

Summary

Design, performance, scalability, operational experience, monitoring, different modes of access and expansion plans for the Lustre filesystems, deployed for high performance computing at the University of Florida, are described. Currently we are running storage systems of 1.7 petabytes for the CMS Tier2 center and 2.0 petabytes for the university-wide HPC center.

Primary author: Dr BOURILKOV, Dimitri (University of Florida (US))

Co-authors: Dr KIM, Bockjoo (University of Florida (US)); Dr PRESCOTT, Craig (UNIVERSITY OF FLORIDA); AVERY, Paul Ralph (University of Florida (US)); FU, Yu (University of Florida (US))

Presenter: Dr BOURILKOV, Dimitri (University of Florida (US))

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