

Experience Running an Analysis Cluster in an Academic Cloud

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Cloud computing offers the opportunity for small research groups with fluctuating computing needs to access significant computing power with minimal investment in hardware and administration. However the cloud environment presents its own challenges, in particular those posed by the movement and storage of the large datasets used in HEP. We have evaluated two academic Infrastructure as a Service cloud platforms (Nimbus and OpenStack) in the FutureGrid testbed at the Texas Advanced Computing Center. We report on the experience, in particular ease of use and performance.

APS member ID

60050967

Primary authors: Ms RILEY, Crystal (U. Texas Austin); ONYISI, Peter (U. Texas Austin)

Presenter: ONYISI, Peter (U. Texas Austin)

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