

Computing Testbed as a Service - CTaaS in FutureGrid

Tuesday, 17 September 2013 10:00 (30 minutes)

<https://portal.futuregrid.org/>

We describe our experience in providing Computing Testbed as a Service CTaaS in FutureGrid with lessons for the Future. We give an overview of the operating model as now and looking forward. We give details of partners, hardware and services offered and go through sample projects in the fore areas computer science, domain science, education and technology evaluation/testing. We describe relation of FutureGrid to other academic and commercial systems. We describe key CTaaS technology including security, image/appliance management, monitoring/metrics, and dynamic provisioning. We consider it as an onramp with cloud/HPC bursting to other systems.

Fox received a Ph.D. in Theoretical Physics from Cambridge University and is now distinguished professor of Informatics and Computing, and Physics at Indiana University where he is director of the Community Grids Laboratory and Associate Dean for Research at the School of Informatics and Computing. He currently works in applying computer science to Bioinformatics, Sensor Clouds, Earthquake and Ice-sheet Science, and Particle Physics. He is principal investigator of FutureGrid –a facility to enable development of new approaches to computing. He has experience in online education and its use in MOOC's for areas like Data and Computational Science. He is a Fellow of APS and ACM.

Description of Work

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Wider Impact of this Work

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Session, double-session

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Printable Summary

TBA

Primary author: Dr FOX, Geoffrey (Indiana Uni)

Presenter: Dr FOX, Geoffrey (Indiana Uni)

Session Classification: Plenary Session