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"Jetstream: A self-provisioned, scalable science and engineering cloud environment"

Friday, 22 May 2015 09:30 (20 minutes)

Jetstream is the first cloud resource funded by the U.S. National Science Foundation (NSF) to provide general purpose, cloud computing resources across all supported science and engineering domains. It is designed to address the scalable computation needs of researchers who do not fit the traditional high performance computing (HPC) or high throughput computing (HTC) model for which existing NSF and other federally-funded resources are optimized. Jetstream will be a configurable large-scale cloud computing resource that leverages both on-demand and persistent virtual machine technology to support a much wider array of software environments and services than current NSF resources can accommodate. This presentation will describe the Jetstream hardware configuration and software environment, as well as the specific community use cases driving the need for such a resource.

Presenter: Dr VASILIADIS, Vas (Univ. of Chicago)

Session Classification: Distributed platforms for e-Learning: How can educators and scholars benefit from the Open Science Commons?