Contribution ID: **13**   Type: **Presentation**

DYNES: Building a distributed networking instrument

Tuesday 16 October 2012 09:00 (30 minutes)

This presentation will discuss the challenges of efficiently provisioning and deploying switch and host OS configurations enabling our collaboration to monitor, access, and repair the distributed instrument. Additionally we will cover some of the ongoing challenges post-deployment as regards configuration tracking, service verification, and monitoring the overall status of the DYNES instrument as well as enabling DYNES use for domain specific applications (like the LHC).

Summary

The Dynamic Network System (DYNES) is a distributed networking instrument that creates point-to-point, variable-bandwidth circuits between DYNES sites. This requires hardware and software infrastructure deployment to all participating sites. Currently the deployment stands at approximately 40 sites in the US requiring a storage system, network switch, and IDC (inter-domain-controller) to enable network reservations between sites.

Author: MEEKHOF, Benjeman Jay (University of Michigan (US))

Presenter: MEEKHOF, Benjeman Jay (University of Michigan (US))

Session Classification: IT Infrastructure

Track Classification: IT Infrastructure, Services, Business Continuity