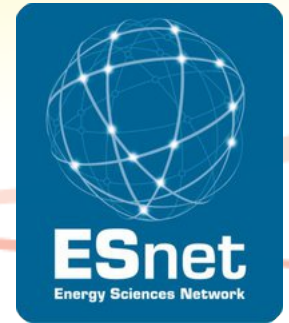




INTERNET

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July 22<sup>nd</sup> 2013, XSEDE Network Performance Tutorial

Jason Zurawski – Internet2/ESnet

Kathy Benninger - Pittsburgh Supercomputing Center

- ***Workshop Agenda***

- Introduction
- Performance Primer/Basics of TCP
- XSEDE Network & Measurement Infrastructure
- Preparing Virtual Machine Environments
- Throughput Tools & Use
- OWAMP Use
- XSEDE Tools (Ping, Traceroute, NDT, NPAD, GridFTP)
- How to Request Assistance
- Debugging Strategies & Use Cases
- Hardware and Network Placement Choices for Monitoring
- Hands-On Configuration