

Notes from 2013 Annual Meeting in Arlington

Performance WG at 2013 Annual Meeting in Arlington

Tuesday, April 23, 2013

<https://spaces.at.internet2.edu/display/PerformanceWG/Notes+from+2013+Annual+Meeting+in+Arlington>

Ken Miller, Working Group Chair, welcomed the group.

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What's New in Perfsonar Toolkit 3.3 and Roadmap for Next 6 months – Brian Tierney, ESnet

See slides: <https://spaces.at.internet2.edu/download/attachments/10402/20130423-tieryn-perfsonar.pdf>

New Features in 3.3:

- CentOS 6 (32-bit and 64 bit support)
- LiveUSB distribution in addition to NetInstall and LiveCD
- Completely rewritten and re-designed lookup service
- Centralized mesh configuration management software
- Integration with MaDDash performance monitoring dashboard
- Numerous other bug fixes and enhancements
- Traceroute visualization developed by University of Wisconsin
- Final 3.3 release coming soon

Looking for help on release testing and better visualization and analysis tools

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A Study on Network Performance from Selected Campus Environments - Jason Zurawski

See slides: <https://spaces.at.internet2.edu/download/attachments/10402/20130423-zurawski-firewalls.pdf>

Upcoming workshop:

Networking Issues for Life Sciences Research

<http://events.internet2.edu/2013/ftw-life-sciences/index.cfm>

July 17- 18, 2013

Lawrence Berkeley National Laboratory

Need networking people and life sciences people to attend

Firewalls or "When Security and Performance Clash"

- Firewall is a useful tool, but can cause bottlenecks
- Delivers functionality that often can be implemented in different ways:
 - Filtering ranges can be implemented via ACLs
 - Port/Host blocking can be done on a host by host basis
 - IDS tools can implement near real-time blocking of ongoing attacks that match heuristics

Brown University example - Totally protected campus, with a border firewall

PSU example - Unprotected campus, protection is the job of network customers

The Science DMZ

-It's a blueprint, not a specific design

-Approach to network architecture that preserves the ability to securely manage two different worlds (enterprise and research worlds)

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Working Group Updates, Ken Miller, PSU

Performance Working Group White Paper was recently released:

"Firewall Recommendations for the pS Performance Toolkit"

See paper at: <http://psps.perfsonar.net/toolkit/20130416-Firewall-PerfWG.pdf>

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