perfSONAR Deployment Survey

Internet 2 Fall Member Meeting
October 2011
South Asia Emerging NREN Regional Interest Group
& Performance WG
perfSONAR?

- perfSONAR is an infrastructure for network performance monitoring, making it easier to solve end-to-end performance issues that cross several networks.
- perfSONAR has been found to reveal undetected bandwidth-limiting problems.
- The more measurement points that exist, the easier locating the problems becomes.
TL/PW Background

The IRNC project Translight Pacific Wave (TL/PW) is surveying the Asia Pacific region to find out where NREN’s are in their deployment of perfSONAR so that they can better facilitate its usage and provide feedback to the developers.

TL/PW is also working with other groups that are collecting similar information.
Connected to Pacific Wave....

- 27 networks representing
  - 38 countries
    - Asia (14)
    - The Americas (15)
    - Europe (7)
    - The Middle East (2)
- Multiple US National R&E and Fednet networks (6)
The Survey

- We created a very quick survey to find out:
  - which networks have already deployed perfSONAR
  - which networks are planning on deploying perfSONAR
  - which networks are NOT planning on deploying perfSONAR and why not.

- It takes less than five minutes to answer all the questions.
The questions

- Name of network (or ASN)
- Whether you’ve deployed perfSONAR or not
- If you have, some questions about the implementation
- If you have not, some questions about your plans
- What other types of tools are you running
- To which sites you’d like to test
- Obstacles to deployment
Survey location

- You can find a link to the survey on the Pacific Wave website main page.
  - www.pacificwave.net
- You can use the link to the USC site directly
  - https://uscits.qualtrics.com/SE/?SID=SV_1N3MrbXZQ7E8k72
Acknowledgements

- Thanks to the TLPW perfSONAR club for their feedback and guidance.
- Thanks to ESnet and Internet2 for their assistance.
- Thanks to USC ITS for use of their Qualtrics survey platform.
More information

- About perfSONAR
  - http://www.perfsonar.net/
  - http://fasterdata.es.net/fasterdata/perfSONAR/

- About Pacific Wave
  - http://www.pacificwave.net/

- About Translight Pacific Wave (TLPW)
  - http://www.pacificwave.net/translightpacificwave/

- Contact us at info@pacificwave.net.