

First European perfSONAR User Workshop - Summary

Ivana Golub, PSNC June 2019 Jisc, London

General conclusion

- The workshop was very useful
- It should be repeated
- Suggestions for improvements are gathered and will be processed



Recommendations for future perfSONAR development



Recommendations - Day 1

- Mesh activation process should be improved
- Better documentation on the installation more quicksheets
- Better interpretation of error messages
- More information on how any of the **reported events in logs** impacts the installation
- Documentation on how to configure parameters for individual tests
- Have MaDDash react more quickly to changes in past measurements
- **Different threshold per host** in MaDDash
- New alerting mechanism for MaDDash: open OTRS ticket



Recommendations - Day 1 (2)

- Throughput visualisation option: don't draw lines, but only plot dots
- Make TWAMP a 1st class citizen in the perfSONAR ecosystem (dashboard, graphs, toolkit)
- Seek the input from **NOC engineers**
- Minimize the efforts for monitoring of perfSONAR itself
- For better understanding, measurement tuning and thus better and more relevant results, **combine perfSONAR lab and field testing**



Recommendations - Day 2

- perfSONAR for SLA verification and reporting
- perfSONAR support for **L2 measurement** protocols (i.e. CFM)
- Measurements results visualisation can be improved
- Provide **jitter measurement visualisation**
- Integration with other time series databases, not only Elasticsearch
- Make it **flexible/open** enough **for different tools**



Recommendations – Day 2 Visualisation, On-demand measurements, Vendor integration

- **Gather use-cases** in order to be able to examine and feedback the visualisation for on-demand measurements and measurement data results visualisation
- Organise **infoshares** to present it and ask for the feedback
- Offer the tool for beta testing and ask for feedback
- Offer the PoC tool for alpha/beta testing and ask for feedback
- Support perfSONAR on BSD

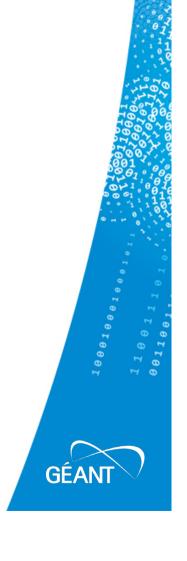


On behalf of



The Organisation Team

- Tim Chown, Jisc
- Antoine Delvaux, PSNC
- Ivana Golub, PSNC
- Szymon Trocha, PSNC
- Pavle Vuletić, UoB/AMRES



Many thanks to...



All participants

Attending in person

and

remotely



All presenters

Ralph Niederberger, Research Center Jülich
Ignacio Peluaga, CERN
Sergei Kozlov, UIIP/BASNET
Robert Stoy, DFN
Craig Volp, GÉANT
Duncan Rand, Imperial College London

Andy Lake, ESnet Scott Chevalier, IN@IU Mark Feit, Internet2 Ed Colone, U. Michigan

Zurab Bukhnikashvili, GRENA Victor Olifer, Jisc Erik Reid, GÉANT Pavle Vuletić, UoB/AMRES Szymon Trocha, PSNC Antoine Delvaux, PSNC Ivana Golub, PSNC

GÉANT



For hosting the venue



Hope to see you soon...



At the TNC19: Sun - Tue

Sunday, 16 June

• 09:00-12:30: "GÉANT PMP Service Training" https://eventr.geant.org/events/3094

Monday, 17 June

- 14:00 15:30: Lightning Talk: "Five Things you didn't Know about perfSONAR"
- 15:30 16:00: PMP demo @ GÉANT booth https://tnc19.geant.org/geant-booth-demos

Tuesday, 18 June

- 13:00 13:30: meet the perfSONAR experts @ GEANT booth https://tnc19.geant.org/geant-booth-meet-the-experts/
- 16:00-17:30: "What's going on in the next GÉANT project?"







Wednesday, 19 June

• 14:00 - 15:30: "Building Performance Measurement Platform - Lessons learned from operations" during Network Automation and Monitoring session

Thursday, 20 June

- 09:00-12:30: "Orchestration, Automation and Virtualisation (OAV) BoF, https://eventr.geant.org/events/3148
- 15:30 16:00: PMP demo @ GÉANT booth, https://tnc19.geant.org/geant-booth-demos
- 14:00-17:30: P4 Programming BoF, https://eventr.geant.org/events/3132
- WiFiMon Roadmap Discussion https://eventr.geant.org/events/3095



At the TNC19: Sun - Thu



- Participate in our WiFiMon deployment trial
- Visit our GN4-3 WiFiMon Crowdsourced Performance Measurements Poster

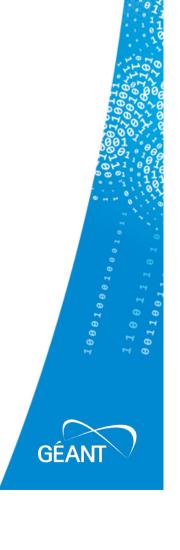


At SIG-PMV

- Special interest group for knowledge exchange and collaboration in the area of performance monitoring and verification
- Next meeting Dublin, 2-3 July 2019, hosted by HEANet
- Call for presentations to be sent soon
- Topics including but not limited to:
 - performance monitoring, troubleshooting, ensuring
 - DTN, telemetry, wifi monitoring, high speed monitoring, flow analysis...
 - tools, functionalities, work flows, procedures for performance verifications and best practises
- https://eventr.geant.org/events/3131



And future perfSONAR events ©





Thank you

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igolub@man.poznan.pl