perfSONAR General Update

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GN4-3 WP6 T3

SIG-PMV, Dublin, Ireland, 02/07/2019

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perfSONAR framework architecture
perfSONAR Last Release: 4.1.6

• 4.1 in August 2018
  • pSconfig
  • TWAMP
• 4.1.6 in February 2019
  • Bug fixes
• About one major release a year
Upcoming perfSONAR 4.2

• New features
  • Disk-to-disk (GridFTP) plug-in - Significant interest from research community and others.
  • Measurement pre-emption (priorities) - Easier for ad hoc tests to get a slot on busy hosts
  • Additional pSConfig utilities - Continuing to make meshes easier to build and manage through command-line and graphical interfaces
  • Lookup Service improvements - Bulk renewals and record signing (as building blocks for validation of records)

• Improved reliability, bug fixes
• Final stop for BWCTL support
• Debian 8 support is being dropped
Current high level roadmap

- 4.2-\textit{beta} this July
- 4.2 final by end of summer
- 4.3 with python 3 support before end of year
- 4.4 with new visualisation options early 2020
- 4.5 during 2020
- And always patch releases whenever needed
Preparing the 4.2 Release

• Already tested by developers on dev test mesh
• Now ready for beta testing by users
  • To be tested for a few weeks
  • Correcting all pending and newly found bugs
  • Incrementally releasing corrected packages
• Release Candidate (RC)
  • Have 2 weeks without issue before final release
  • As many RC as needed
• We welcome your help with testing!
perfSONAR Consultancy and Expertise Service

• perfSONAR team is ready to help!
• Started with GN4-2, in SA2T3
• Continued in GN4-3, in WP6T3
• 8 persons:
  • Antoine, Erik, Ivan, Ljubomir, Szymon, Tsotne, Victor, Zurab
  • Different skills and availability...
• 6 organisations:
  • CARnet, FAU DFN, GÉANT, GRENA, Jisc, PSNC
Help with what?

• Designing and establishing a performance testing plan
• Preparing and planning perfSONAR deployments
• Setting up a central server
  • For archiving
  • To show dashboards
• Any other perfSONAR configuration or deployment issue
Workshops and trainings

• GN4.2:
  • Zurich
  • Manchester
  • Dwingeloo
  • TNC18
  • Cambridge

• 1st European perfSONAR Workshop
perfSONAR at GEANT and partners

- GEANT Operations
- PSNC
- Jisc
- DFN
- NORDUnet
- SURFnet
Ongoing and new requests

• **PRACE**
  • perfSONAR deployments and central server setup (archive and dashboard)

• **LoLa** project in WP6 incubator
  • Latency and Jitter measurements

• **CNaaS** initiative in WP6 incubator
  • Test in VPN/LNNS

• **RENATER**
  • Central archiving and dashboard

• **AzScienceNet**
Get in touch with us!

• Email
  • GÉANT WP6T3 team: perfsonar@lists.geant.org
  • perfsonar user list: subscribe at https://lists.internet2.edu/sympa/info/perfsonar-user

• GÉANT project Slack: #gn4-3-wp6

• Youtube channel
  • https://www.youtube.com/perfSONARProject/

• Websites
  • https://www.perfsonar.net
  • https://docs.perfsonar.net
Thank you

Any questions?

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© GÉANT Association on behalf of the GN4 Phase 3 project (GN4-3). The research leading to these results has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No. 850720 (GN4-3).