

# PERFSONAR CELEBRATES 17 YEARS DURING PLANNING MEETING

The perfSONAR project recently celebrated 17 years of successful collaboration during a planning meeting held March 7-8, 2018 in the new GÉANT office in Amsterdam. Since its first activities focused on network performance measurements in February 2001, perfSONAR has grown to an international network of collaborators who share a common vision and knowledge to work on interoperable network performance monitoring infrastructure for the benefit of research and education (R&E) networks around the globe.



With partners representing the communities of five organisations (ESnet, GÉANT, Indiana University, Internet2, University of Michigan), perfSONAR is an open source project designed to develop software that works in a real operational environment, to facilitate network research, and to permit technology transfer to commercial organisations. Today it makes it easy to set performance expectations, notice performance problems, and diagnose the causes of such problems. In recent years, the framework has been harmonised to be easy to install, configure, and supported for end users, network operators, and scientific collaborations including participants from wide e-infrastructures.

Since 2004 and the GÉANT (GN2) project framework, GÉANT has been

**Words**  
A. Delvaux,  
I. Golub, Sz.  
Trocha (PSNC)

**Pictures**  
Above right;  
Participants of  
the planning  
meeting

**Far right;**  
perfSONAR  
Service Map  
available at  
<http://stats.es.net/ServicesDirectory>

a proud partner in defining the vision of performance monitoring, developing perfSONAR framework and has facilitated the deployment of perfSONAR monitoring infrastructure across Europe and beyond. In 2008 GÉANT began to work in parallel to other perfSONAR project partners with its own perfSONAR Multi-Domain implementation. These efforts were again strengthened in 2014 when a joint release of perfSONAR software was delivered to users.

During its years of collaboration GÉANT has significantly contributed to the design and implementation of the software while at the same time rolling out perfSONAR instances in European networks and then maintaining these essential activities over the next project phases.

During the planning meeting, the perfSONAR team worked on general directions and future developments that will be implemented into next releases. With the latest changes and future plans the project is aiming at the creation of opportunity for improved integration with other tools and various open source ecosystems. We make it easy by providing standard integrations and interfaces for anybody to work with the tools used by other teams or known to the community. Topics covered during the meeting included:

- Evaluation of new types of archives
- Looking at ways to leverage open-source visualization platforms
- Improvements in Lookup Service reliability
- perfSONAR in a container
- Deployments automation

- QA efforts improvements
- pScheduler Software Development Kit
- New directions for Web presence and user trainings

The partners also discussed the perfSONAR release schedule: a new 4.1 beta version is scheduled for Q2 2018.

We invite readers to become active project participants. Users may contribute to the project by helping out and contributing work to advance our open source software, deploying perfSONAR instances to increase project adoption and sharing their ideas, experience and expectations of the future of perfSONAR. For more information visit: <http://www.perfsonar.net> and subscribe to <https://www.youtube.com/perfSONARProject/>

