



# perfSONAR roadmap

**Antoine Delvaux**

*perfSONAR Service Manager and developer*

1<sup>st</sup> European perfSONAR User Worksop

London, UK, 5-6 June 2019

[www.geant.org](http://www.geant.org)

## perfSONAR release cycle

- One new release every year
  - But aiming at 2 or 3 a year
- Pattern: **X.Y.Z**
  - **X**: Major release number
    - Big change!
    - Increased when breaking compatibility (*or for marketing*)
  - **Y**: Minor release number
    - Containing new features
  - **Z**: Bug fix (patch) release number
    - Should only contain bug fixes
    - As often as possible

## perfSONAR past releases

- 2017:
  - April: 4.0
    - pScheduler in place of BWCTL
    - New visualisations (graphs)
  - November: 4.0.2 (should have been 4.1)
    - pScheduler JQ support
    - pScheduler contexts
- 2018:
  - August: 4.1
    - pSConfig
    - TWAMP
- And patch releases in between



## Past releases support

- Providing bug fixes for past release
  - During 6 months after new major release
  - Gives 6 months time to upgrade
- 4.1 released 15<sup>th</sup> of August 2018
- 4.0 EOL was 15<sup>th</sup> of February 2019



## perfSONAR 4.2 — beta out soon...

- 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 fix
- Debian 8 support is being dropped



## Current high level roadmap

- *4.2-beta* by end of June
- 4.2 final during summer
- 4.3 with python 3 support before end of year
- 4.4 with new visualisation options early 2020
- 4.5 during 2020
- patch release whenever needed

perfs--NAR  
powered



# Thank you

Any questions?

[www.geant.org](http://www.geant.org)



© 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. 856726 (GN4-3).