

perfSONAR

2021 Roadmap

perfSONAR 4.4 to 5.0

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2nd European perfSONAR User Workshop

14-15 April 2021

perfSONAR is developed by a partnership of



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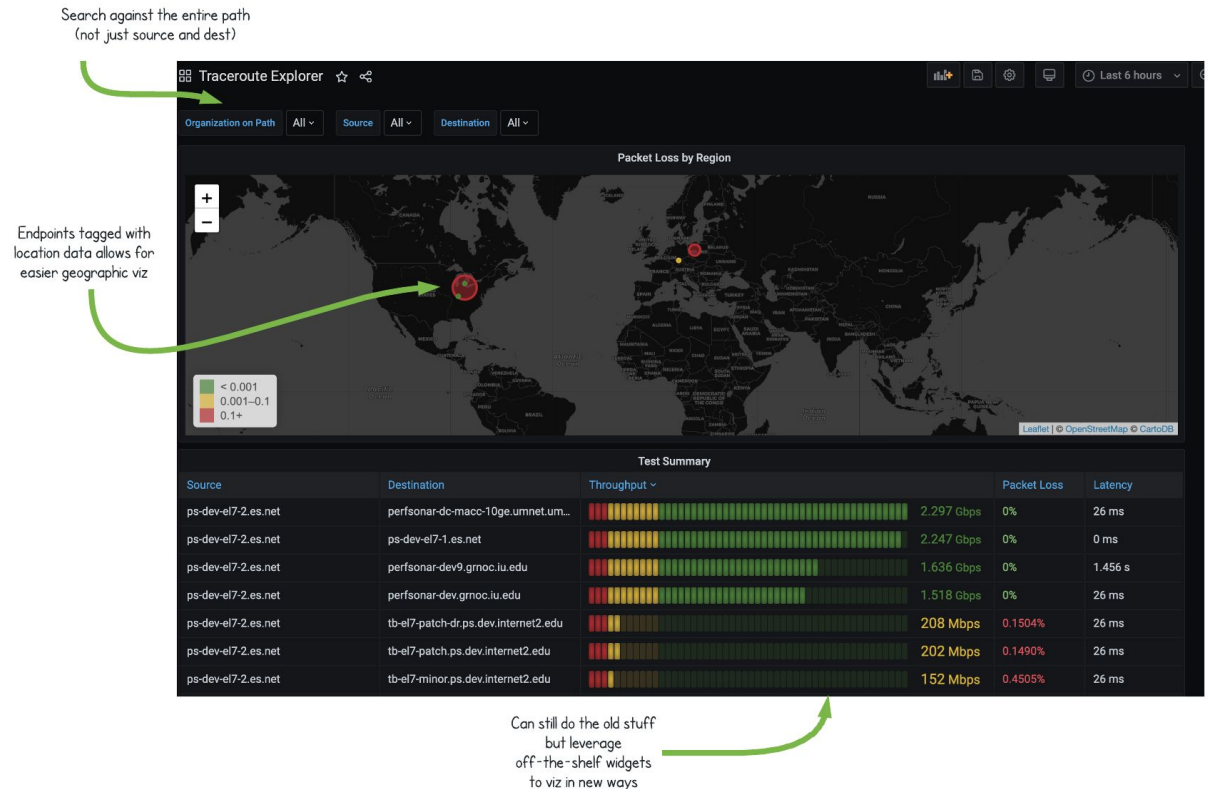
Strategy and Key Focus Areas

- Focus on where perfSONAR brings value
- Reduce technical burden required to maintain project
 - Seek off-the-shelf open source components
 - Further automation of internal QA processes
- Integration into broader data analytics platforms
 - Build on successes of “power-users” in this space
- Enhance communication
 - Make sure users have the information they need to realize the full value of perfSONAR



perfSONAR 5

- Replaces legacy Esmond component with off-the-shelf, open source Elasticsearch and Logstash
- Touches heavily on key focus areas of *reducing tech burden* and *integration in broader data platforms*
- Builds on community successes in projects in WLCG and NetSage



perfSONAR in the coming year

● 4.4 / 4.5

- Minor new features and improvements (pScheduler, toolkit UI, ...)
- Ubuntu 20 support (testpoint)

● 5.0

- Elasticsearch backend to replace Esmond
 - Esmond API compatibility layer
- Opening more visualisation possibilities with Grafana
 - Pre-baked dashboard
- Toolkit support for latest Debian based OS

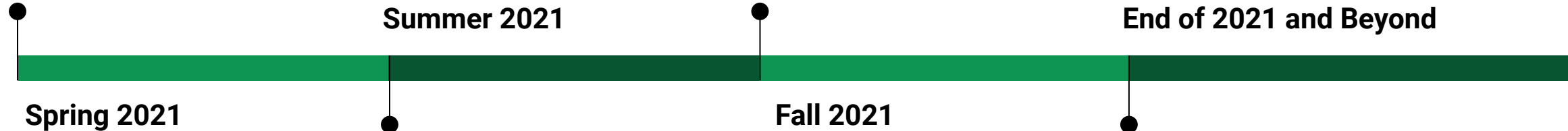
Development Roadmap

perfSONAR 4.4.0

Support for loopback test, expanded limits supports, Ubuntu 20 support, 40+ other improvements and fixes in issue tracker

perfSONAR 5.0.0

Final release of 5.0.0 and any subsequent patch releases as needed.



Summer 2021

End of 2021 and Beyond

Spring 2021

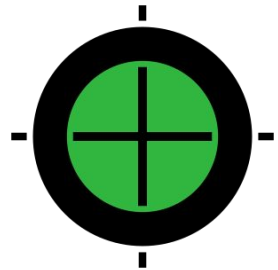
Fall 2021

perfSONAR 5.0.0 Beta

ELK replacement of backend and a few new visuals. This is a large change and we will want test with help from community for awhile.

Building on 5.0

Focus on UI experience and delivery. Leverage 5.0 to replace MaDDash, better Lookup Service statistics expanded Docker offerings and more.



Community

You and perfSONAR

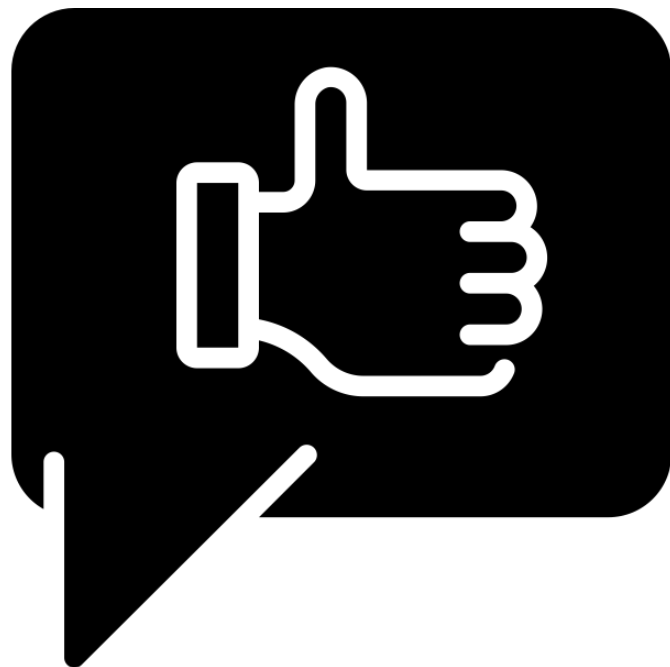
Upcoming Events

- April 30, 2021 - CI Engineering Lunch and Learn
 - pScheduler under the hood- Mark Feit
- May 14, 2021 - CI Engineering Lunch and Learn
 - Using the perfSONAR Lookup Service - Sowmya B.
- June 2-4, 2021 - Great Plains Network (GPN) Annual Meeting
 - perfSONAR User Workshop - Doug Southworth, Ed Colone
- June 21-25, 2021 - TNC21
 - A GUI to enable network troubleshooting with perfSONAR on-demand measurements - Antoine Delvaux, Ljubomir Hrboka
 - User Experience and Network Performance Monitoring for CNaaS - Antoine Delvaux, Tsothe Gozalishvili

Get in touch

- Global perfSONAR Collaboration
 - General: <https://www.perfsonar.net>
 - Documentation: <https://docs.perfsonar.net>
 - Users list: <https://lists.internet2.edu/sympa/info/perfsonar-user>
 - Youtube channel: <https://youtube.com/perfSONARProject/>
- perfSONAR in GÉANT Project/Area (WP6T3)
 - Consultancy and Expertise service: <https://wiki.geant.org/x/eKMuBw>
 - Get in touch at perfsonar@lists.geant.org

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Thanks icon by priyanka from The Noun Project

Thanks!

For more information,
please visit our web site:
<https://www.perfsonar.net>

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