

perfSONAR

CentOS and OS support

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perfSONAR is developed by a partnership of



ESnet



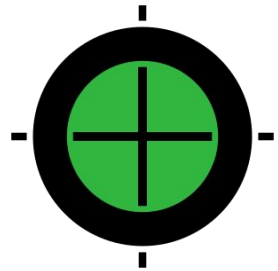
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perfSONAR is running on different OSes

- CentOS
 - And some Red Hat derivatives, but you're on your own
- Debian and Ubuntu
 - And some other Debian derivatives, but you're on your own

- The times, they are a-changing...



CentOS

CentOS 7

- End of life is June 30, 2024.
- perfSONAR support will continue until then.

CentOS 8

- July, 2019 IBM closes Red Hat acquisition
- December, 2020 New CentOS 8 EOL December, 2021
Eight years ahead of originally-scheduled 2029



CentOS Stream

- What Was: **Fedora** → **Red Hat Enterprise Linux** → **CentOS**
CentOS derived from very-stable EL code
Infrequent releases
- What Is: **Fedora** → **CentOS Stream** → **Red Hat Enterprise Linux**
CentOS derived from Fedora ahead of EL development
Rolling releases
Welcome to the EL beta program!
- Not what people running production systems want.

CentOS 8 Alternatives

Distribution	Free	Based on Stable Code	In General Release	Community Development
Red Hat Enterprise Linux		✓	✓	
CentOS Stream	✓		✓	
Oracle Linux	✓	✓	✓	
Rocky Linux	✓	✓		✓
Alma Linux	✓	✓	✓	✓

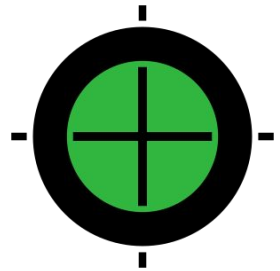
Alma Linux Checks All the Boxes

- Free
- Based on stable code
- In general release
 - March 31,2021
- Community development
 - Non-profit foundation
 - \$1M annual sponsorship from CloudLinux, Inc.

- Deployed on Internet2 Next-Generation Infrastructure PoP systems
 - Two perfSONAR nodes (in Docker containers)
 - Internal network management applications

Future Development on EL-Derived Linux

- CentOS is our primary development platform.
 - pScheduler has been ported to CentOS 8.
 - Work is underway to bring Debian-derived Linux into equal standing.
- We need your input to make decisions about the future.
 - More to follow...



Debian and Ubuntu Support

of perfSONAR releases

Currently supported

- Fully supported
 - Debian 9
 - Ubuntu 16 and 18
- Only testpoint support
 - Debian 10
 - Ubuntu 20 shortly

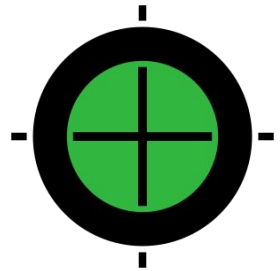
Will be discontinued shortly

- Debian 9 will be EOL in 2022
- Ubuntu 16 will be EOL in 2024
- But both will most probably not be supported for perfSONAR 5
 - To be confirmed

With perfSONAR 5

- Debian 10
- Ubuntu 18
- Ubuntu 20

- Upgrade path:
 - Debian 9 to Debian 10
 - Ubuntu 16 to Ubuntu 18
 - Ubuntu 18 to Ubuntu 20
 - Or just re-install!



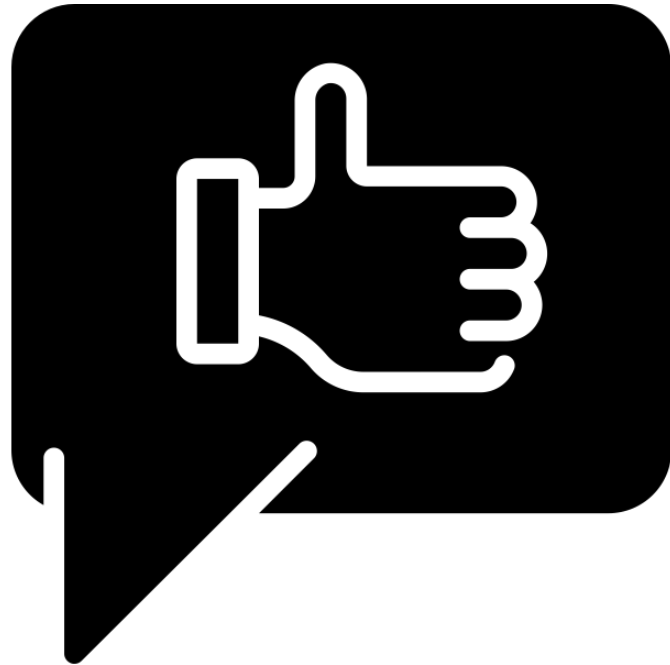
Where do you stand?

We'd like to know about your OS usage

Time for a poll

- Open the following on another device or in your browser:
- <https://menti.com>
- Code : 3811 9888

perfSONAR



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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