CentOS and OS support

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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 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

<table>
<thead>
<tr>
<th>Distribution</th>
<th>Free</th>
<th>Based on Stable Code</th>
<th>In General Release</th>
<th>Community Development</th>
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<tr>
<td>Red Hat Enterprise Linux</td>
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<tr>
<td>CentOS Stream</td>
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<td>Oracle Linux</td>
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<td>Rocky Linux</td>
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<td>Alma Linux</td>
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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](https://menti.com)
- Code: 3811 9888
Thanks!

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