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# Linux Updates

Grid Deployment Board  
2024-02-14

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On behalf of the CERN IT Linux Team

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# Quick Reminder

- Deprecation of CentOS Stream at CERN:
  - CentOS Stream 9 EoL on June 30th 2023 ([OTG0077723](#))
  - CentOS Stream 8 EoL on September 30th 2023 ([OTG0079474](#))
  - Migration to AlmaLinux or RHEL required: <https://linux.cern.ch/migration>
- **CentOS 7 EoL** coming very soon: **June 30th 2024**
  - Migration to AlmaLinux/RHEL 9 strongly encouraged
- AlmaLinux/RHEL 8 EoL on May 31st 2029
- AlmaLinux/RHEL 9 EoL on May 31st 2032
- End of Red Hat Site License on May 31st 2029

# AlmaLinux ABI Compatibility: Fall 2023

- Multiple sources of packages/patches
  - UBI, CentOS Stream, Oracle Linux, upstream projects
- ~99% of packages are 1:1 rebuilds
  - ~75% straight from UBI or CentOS Stream
  - ~24% require some manual patching
    - Sourcing patches from Stream's git or upstream projects
- <1% differ from RHEL
  - Kernels only include security patches
  - Updated microcode for recent CPU vulnerabilities

# AlmaLinux ABI Compatibility: Now

- Recent point releases (8.9 and 9.3)
  - ~95% CentOS Stream
  - ~5% upstream projects
- Currently AlmaLinux is ~RHEL
  - Kernels are exactly the same
  - AlmaLinux 9 has an extra patch not yet included in RHEL 9
- Next checkpoint: CentOS Stream 8 EoL (31 May 2024)

# AlmaLinux Day Germany

- Opportunity to connect with the AlmaLinux community

March 18th, 2024  
Europa Park  
Rust, Germany



**AlmaLinux Day: Germany**  
Learn, build, engage, and connect

On stage: AlmaLinux experts from all over the world

Register - free!!

 <p>Kenneth Tan Executive Director Sardina Systems</p>	 <p>benny Vasquez Chair, BoD AlmaLinux</p>	 <p>Simon Phipps Founder Meshed Insights</p>	 <p>Andrew Lukushko AlmaLinux Architect CloudLinux</p>
 <p>Hidenori Ishikawa Manager Prime Strategy</p>	 <p>Alex Iribarren Cloud IAAS and Linux Leader CERN</p>	 <p>Jesse Asklund Chief Experience Officer WebPros</p>	 <p>Igor Seletskiy CEO TuxCare &amp; CloudLinux</p>



# AlmaLinux Vendor Outreach

- [MySQL](#) and [NVIDIA](#) don't list AlmaLinux as a supported OS
  - “lack of customer demand” to update the website
  - We need to manifest our demand!

Do you want a healthy OS alternative?

Are you willing to help?

Get in touch!

[Alex@almalinux.org](mailto:Alex@almalinux.org)

# Potential AlmaLinux HPC Special Interest Group

- AlmaLinux users trying to set up an HPC SIG
  - HP, Megware, Dell, Microsoft, AMD

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# Questions & Discussion