

# Linux outlook and WLCG

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14<sup>th</sup> December 2021

# Proposal recommended by the GDB

- GDB recommends
  - Red Hat Enterprise, CentOS Stream and Enterprise Linux Clones should be treated equally
    - ELCs defined as 100% functionally equivalent to RHEL such as Rocky or Alma
  - Application workloads and middleware can and should be made to work on any of these (see [HEPiX talk](#)) using techniques such as containerization or ABI/API compatibility
    - If there are issues, these should be reported to the authors (distributions, experiments or middleware)
  - WLCG sites should plan migrations before 7 EOL (mid 2024)
    - From 7 to 9 seems promising during the period 2H 2022-2023 subject to middleware availability
      - [CentOS Stream 9](#) already available, RHEL/ELC 9s coming in the next few months
    - 8 may also be used already as needed for hardware compatibility or functionality
- Based on DESY's suggestion at the last GDB following HEPiX
  - <https://indico.cern.ch/event/876795/>
- Support by the GDB on December 8<sup>th</sup> 2021
  - <https://indico.cern.ch/event/876796/>
- CERN Linux Future this morning looking into use cases across CERN including HLTs, Accelerator Sector, ...
  - <https://indico.cern.ch/event/1100306/>