

Subject: [EXTERNAL] Fwd: [team-subatomic] Fwd: Outlook for LINUX in WLCG
From: Richard Jones <richard.t.jones@uconn.edu>
Date: 1/25/22, 8:13 AM
To: "Mark M. Ito" <marki@jlab.org>
CC: Benedict Zihlmann <zihlmann@jlab.org>, Sean Dobbs <sdobbs@jlab.org>

Mark and all,

Below I include an interesting update on the recommended WLCG os upgrade roadmap. It looks like the recommended upgrade path for WLCG sites will be to bypass Centos/RHEL8 and go straight from 7 to 9 provided that the middleware gets ported to 9 in time, which they still have plenty of time to do. They have also broadened the list of supported OS's to include what they call ELC (Enterprise Linux Clones) including Rocky and Alma.

-Richard Jones

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From: **Leslie Groer** <groer@physics.utoronto.ca>
Date: Mon, Jan 24, 2022 at 9:40 PM
Subject: [team-subatomic] Fwd: Outlook for LINUX in WLCG
To: team-subatomic@computecanada.ca <team-subatomic@computecanada.ca>

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FYI

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Subject:[Lcg-support] Outlook for LINUX in WLCG
Date:Mon, 24 Jan 2022 12:39:10 +0100
From:Julia Andreeva <julia.andreeva@cern.ch>
To:wlcg-operations@cern.ch <wlcg-operations@cern.ch>

Dear all,

Outlook for LINUX in WLCG has been discussed at several GDB meetings followed up by the WLCG MB on the 14th of December 2021.

We would like to broadcast the proposal which has been approved by the WLCG MB.

Outlook for LINUX in WLCG

- 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 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

Background presentations

- Based on DESY's suggestion at the last GDB following HEPiX
<https://indico.cern.ch/event/876795/>
- Support by the GDB on December 8th 2021
<https://indico.cern.ch/event/876796/>
- CERN Linux Future looking into use cases across CERN including HLTs, Accelerator Sector, ...
<https://indico.cern.ch/event/1100306/>

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—Attachments:—

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