



Linux future MW readiness update

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v1.0

Introduction

- From the Feb 2022 GDB [presentation](#):
 - RHEL, CentOS Stream and 100% Enterprise Linux Clones should be treated equally
 - 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*
 - 8 may also be used as needed for hardware compatibility or functionality
- **New in 2023:**
 - CS is no longer favored, but can still be used
 - AlmaLinux (AL) and Rocky Linux (RL) are mature, equivalent RHEL clones
- MW product teams can use any EL9-compatible distribution → collectively captured as “EL9”
- In Jan 2022, EGI + WLCG Ops Coordination launched a [mini survey](#) about ETAs for EL9 releases
- EPEL 9 still has fewer packages than EPEL 7 & 8, but most products either are present or can be downloaded from product team repositories

Current summary (1/2)

Product	EL9 ETA	EL8 support	Notes
APEL client			
Apptainer	Exists in EPEL9. To be tested.	works OK	
ARC-CE	Q1 2022	Supported	EPEL, NorduGrid repo CS9 supported as of April 2022
Argus	Not planned	Not supported	
BDII	2022 Q4	Currently unsupported	
CVMFS	2022 Q1	Supported	
Data management clients	2022 Q2	Supported	EPEL
dCache	Supported	Supported	The rpm packages are not distro specific (systemd, java11)
DPM	Not supported	Not supported	EOL mid 2024
EOS	available	Supported	
Frontier-Squid	2022 Q2	Supported	
FTS	delayed	best effort	

Current summary (2/2)

Globus, MyProxy et al	available, best effort	best effort	EPEL
GridSite			PT wants to discuss EOL
HTCondor	2022 Q2	2022 Q2, supported	
HTCondor CE		available	
IAM	2022 Q3	Not supported	TBC
LCAS & LCMAPS	2022 Q4, possibly earlier	Security fixes, rest best effort	not yet available
perfSONAR			
Singularity	→	→	superseded by Apptainer
StoRM	2022 Q3	Not supported	not yet available
UI			
VOBOX	Not yet planned	Not (yet) supported	
VOMS client	available	Not supported, but available	
WN			
XRootD	Available, best effort	Best effort	EPEL

Conclusions & outlook

- The majority of our MW has been released for EL9
 - [Much is also available for EL8](#)
- Not yet available:
 - [APEL client](#)
 - [HTCondor CE](#)
 - Expected soon
 - [FTS server](#)
 - [GridSite](#)
 - [GGUS:160363](#)
 - [LCMAPS](#)
 - Where will it remain needed?
 - [StoRM](#)
 - See the StoRM [update](#) in this GDB
- EGI UMD-5 will bring support for EL9 (and possibly EL8)
 - [Should become available in a matter of weeks](#)