

APEL status

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03/10/2024 WLCG Ops Coordination

EL8+ progress

- EL7 EoL enabling work completed
 - Python 3 compatibility for APEL software (server, client, SSM)
 - Updated packaging process for EL8+
- Some internal hosts migrated
 - This has included creating brand new configuration management templates
 - Main production EGI/WLCG APEL host still to do
- Issues reported by sites have been fixed, and updated versions have been released
- Packages initially made available in CERN repo while waiting for UMD-5 (thanks Maarten!)
- Now also available in UMD-5 since last week

HEPscore23 progress

- Testing has been underway, but end to end testing was blocked due to issues with the staging version of the EGI portal
- This was recently fixed, and now data is propagating from test sites, through the test Repository, to the Portal
- Most use cases are now represented, coordinating with the WG to identify how to cover those missing

Test status: https://twiki.cern.ch/twiki/bin/view/LCG/ChangesForHEPscore#Testing_of_the_new_APEL_server

Use-case	Record type	Site	Status	Comment
HTCondor+APEL client	Individual job record	pic	Data in staging Portal	Infra reported as "APEL-HTCONDOR"
HTCondor+APEL client	Individual job record	FZK-LCG2	Data in staging Portal	Infra reported as "APEL-CREAM-HTCONDOR"
Custom	Individual job record	INFN-CNAF-LHCB	Data in staging Portal	Some messages being rejected due to EarliestEndtime issue
Custom	Individual job record	INFN-T1	Data in staging Portal	
???	Summary record	NCG-INGRID-PT	Data in staging Portal	
ARC	Summary record	RAL-LCG2	Data in staging Portal	Site admin happy with data showing in Portal for March to May '24
Custom	Normalised record	CERN-PROD	Data in staging Portal	
Custom	Normalised record	IN2P3-CC	Data in staging Portal	
ARC	Individual job record	No site		
Auditor	-	No site		
OSG	Normalised record	No site		

Outstanding work

- Migration of last remaining internal EL7 hosts
 - Database and APEL server being moved to separate hosts to simplify maintenance
- Testing of uncovered HEPscore use cases
- Rollout and upgrade plans to be developed and agreed in conjunction with EGI portal
- Plans will then be subject to Change Control reviews
- Final deployment of the HEPscore accounting feature

Plans

- Due to the combination of testing & Portal delays, and capacity tensions between delivering HEPscore23 and EL7 migration activities, both activities have seen delays
- Current targets:
 - Conclude blocking EL7 migration activities - prioritising the EGI/WLCG grid accounting database & server by the end of October
 - Deploy HEPscore components by end of November
 - Conclude any remaining EL7 migration activities post HEPscore release (with mitigations in place)

