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# DPM upgrade campaign and HTCondor integration

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- SRM protocol (DPM legacy) end of support: September 30th
- 96 Resource Centres, 109 DPM servers
- Coordinating with WLCG to follow-up the sites
  - 40 sites on our “scope”
- 39 ggus tickets opened
  - Upgrade at least to DPM 1.13 version
  - Enable DOME (with legacy mode still on)
  - Configure webdav for ops VO and register the endpoint on GOCDB to enable the monitoring
  - Enable gridftp monitoring for ops VO (if such protocol is provided)
  - Invite the users to use DOME (with gfal2 clients, https, gridftp, xrootd in case, etc,..) and stopping using SRM with lcg-utils

# DPM Upgrade Campaign

*Deployment status*

DPM version	Number of servers
1.10.0	14
1.12.0	13
1.13.0	31
1.13.1	3
1.8.10	17
1.8.11	2
1.8.7	2
1.8.8	3
1.8.9	4
1.9.0	12

- webdav: already in the critical profile
- globus-GRIDFTP: included in the “operators” profile
  - Failures generate an alarm on the ROD dashboard
  - It could be included in the “critical” profile in the future
- xrootd: currently not monitored by EGI
  - It is not as popular as http and gridftp
  - Mainly used by WLCG, who set-up VO specific monitoring
    - It might not make sense adding also the EGI monitoring
    - If non-WLCG sites start to support this protocol, we might think about the monitoring
- Registered on GOCDB (production and monitored):

Service type	Number of service endpoints
globus-GRIDFTP	17
XRootD	63
webdav	40

- Integration steps for the new technology:
  - Underpinning Agreement
  - Configuration management
  - Information System
  - Monitoring
  - Operations (ROD) Dashboard
  - Support
  - Accounting
  - UMD
  - VM image Marketplace
  - Documentation
  - Security

*Steps not completed yet*

- Information System:
  - the info-provider available: <https://github.com/opensciencegrid/htcondor-ce/tree/master/contrib/bdii>
  - GLUE2 information only
  - To test during the staged rollout
- Monitoring:
  - Marian Babik released nagios probes for direct submission to Condor-CE:
    - <https://gitlab.cern.ch/etf/jess>
    - To install on ARGO test instances
    - The probes submit jobs to CREAM-CE and ARC-CE as well
- Operations Dashboard:
  - To set the operations test once the nagios probes are in production

- Accounting:
  - Previous integration work by Stephen Jones (Liverpool) and PIC:
    - <https://twiki.cern.ch/twiki/bin/view/LCG/HtCondorCeAccounting>
  - [APEL 1.8.0-1](#) added support for a cputmult scaling factor.
  - [APEL 1.8.1-1](#) added option to update benchmarks/spec levels using a local configuration option rather than the BDII.
  - to test during the staged rollout
- UMD:
  - [https://wiki.egi.eu/wiki/UMD\\_products\\_ID\\_cards](https://wiki.egi.eu/wiki/UMD_products_ID_cards)
  - HTCondor-CE is released with HTCondor in a version without the dependencies on other OSG software
    - HTCondor-CE depends on HTCondor (though not for use as a batch scheduler), so both packages will need to be distributed
  - Verification ongoing:
    - Ansible files for service configuration
  - Expected release in October

## EGI: Advanced Computing for Research

Thank you  
for your attention.

*Questions?*



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