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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 GOCDDB 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
 - 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

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Thank you
for your attention.

Questions?



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