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PILOT UPDATE

PanDA Pilot v 70.0 (1/4)

- Reset cpuConsumptionTime to -1 if $> 10^{**9}$ to avoid unrealistic consumption times
 - Caused by frozen VM (affected BOINC jobs)
 - DB cleaned up by Gancho (a handful of jobs the last year)
 - Requested by Wenjing Wu
- Now first looking for a local copy of the agis_ddmendpoints json file before copying from cvmfs or downloading from AGIS
 - To alleviate a situation a Chinese HPC where cvmfs is not updated frequently and with no outbound connection
 - JSON preplaced by aCT
 - Requested by Wenjing Wu

PanDA Pilot v 70.0 (2/4)

- WebDAV protocol added to GFAL2 and Rucio movers
 - “Rucio now supports the DAV protocol. It uses the protocol to slightly modify it's behavior when talking to a strict DAV endpoint compared to a more relaxed HTTP endpoint. Integrating the DynaFed into ATLASDDM requires Rucio to make this distinction” – M. Lassnig
- ATHENA_PROC_NUMBER
 - If env variable not set, set it to job.coreCount
 - If set, do not overwrite
 - Requested by R. Walker
- Core information added to benchmark dictionary
 - threads_per_core, cores_per_socket, sockets and if running in a VM
 - Requested by Ilija Vukotic

PanDA Pilot v 70.0 (3/4)

- Event Service updates
 - Direct access for event service
 - AGIS: `direct_access_lan=True`, `direct_access_wan=True`
 - Task: `allowInputLAN=only`
 - Generates job with `transferType=direct`
 - What about `allowInputWAN`? Which `transferType`?
 - Testing successful at FZK but needs some further development+testing
 - Remote replica currently random, geo-sorting will be done on Rucio server side ~end of July, additional pilot changes needed
 - Zipping of output files is now default
 - Support for multiple buckets

PanDA Pilot v 70.0 (4/4)

- Event Service for the BOINC
 - BOINC clients do not have GRID certificate and are instead using PanDA Proxy
 - A PanDA proxy access key in job specification allows BOINC pilot to:
 - get/update event ranges through PanDA Proxy on the PanDA server
 - get pre-signed links from PanDA Proxy for uploading files directly to object store
 - New module EventRangesPandaProxy to get/update event ranges through PanDA proxy
 - New mover for uploading output files to OS with PanDA proxy

PanDA Pilot v 70.0

- Contributions from W. Guan, A. Bogdanchikov, F. Berghaus, M. Lassnig, P. Nilsson
- To be released asap pending final tests