



BDII dependencies for Vofeed generation

Information System Task Force
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Experiment VOfeeds

- Some experiment VOfeeds (*) have also direct or indirect dependencies on the BDII
 - ATLAS VOfeed relies on AGIS and AGIS relies on the BDII for CE information
 - CMS VOfeed relies on the BDII for CE information
 - LHCb VOfeed relies on DIRAC and DIRAC relies on the BDII for CE information
- ALICE VOfeed has no dependency on the BDII
 - It relies on LDAP DB

(*) VOfeeds: links below accessible from CERN

- <http://wlcg-sam-alice.cern.ch/dashboard/request.py/alicesitemap>
- <http://atlas-agis-api.cern.ch/request/atp/xml/>
- <http://wlcg-sam-cms.cern.ch/dashboard/request.py/cmssitemapbdii>
- http://lhcb-web-dirac.cern.ch/topology/lhcb_topology.xml

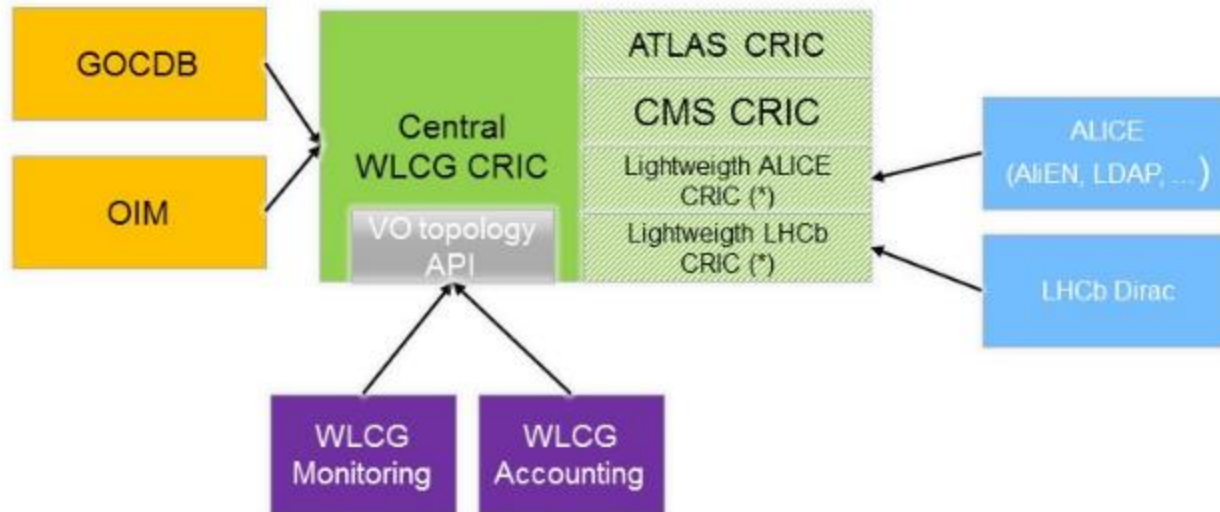
Current situation

- ETF relies on the BDII to be able to get queue names for the CEs that need to be tested
 - According to the experiments VOfeeds
 - This affects CREAM, ARC CEs and GLOBUS (Getting retired)

Long term proposal

- There is currently a proposal to improve the current VOfeed so that it directly includes
 - queue names
 - Storage paths and space tokens
- However, with the new CRIC, it seems reasonable to get this information from CRIC
 - We could call it VO topology API instead of VOfeed
 - It will offer all the needed information by different applications like WLCG monitoring
- We would like to propose to leave the VOfeed as they are (with WLCG Monitoring still relying on BDII to get queue names) and wait for CRIC VO topology API

VO topology API



(*) Maintained by WLCG to store very simple experiment topology information (i.e. experiment names)

Medium term proposal

- What happens if CRIC takes too long?
- Didn't we want to get rid of the BDII?
 - If CRIC takes too long, we could get the queue names from GOCDB/OIM
 - Like this we could still make progress on stopping BDII dependencies
 - Then we would need to re-evaluate all this when all needed information is in GOCDB/OIM
 - Depending on how ready CRIC is at this point we may want to wait for it
 - Or apply changes in WLCG Monitoring/VOfeed to consume from GOCDB/OIM

Conclusion

- Both for medium and long term proposals, the idea would be to “freeze” experiment VOfeeds development
- No effort to include queue names, storage paths or space tokens for the time being